Monday February 20 1978

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The aircraft had returned

to Cyprus after landing at the

Red Sea republic of Djibouti

during the night. It was re-

fused permission to land in Algeria and other Arab states.

Larnaca without the Cypriot

Government's permission, al-

though Egypt claimed that Mr. Mamdouh Salem, its

Prime Minister, had con-tacted the Cyprlot authorities

to tell them that an Egyptian

jet would go to Cyprus to help

Cyprus Radio said that 38

Egyptian commandos, who

went into hiding in a let at

the airport after the failure

themselves up to the Cyprist

authorities after negotiations.

Oil rigs hit

by dispute

over radio

men's pay

pay limits through

peting companies says the CBI

with the City's Institutional Investors' Committee Until now.

raised within the investment

Ministers hold

towards a more cautious approach than seemed probable

of consumer confidence. Page 26

enational savings attracted a further £194.7m. in net receipts last month, taking total

funds to £9.74bn.—over £2bn.

ALFA ROMEO, Italy's State

JAPAN has obtained a con-

a few weeks ago. Back Page

Budget talks

community, Back Page

Institutions. Back Page

contracts. Page 4

public sector

their raid, had given

release the hostages.

BUSIRESS

The commandos landed in

style action, stormed Airport in Cyprus in free 11 hostages being Arab terrorists in a

Airways jet. 90 commandes fought gun-battle with the ypriot National Guard least five Egyptians led as the guardsmen back the Egyptian

fracas the II hosd four crew members escued. The two ans holding them surrendered to the Guard.

iostages were seized rday after the two killed Mr. Yousef eading 7gyptian polit a conference in a

eze is years

water supplies cut by Many TV screens blacked out.

dvised employers in are taking the action seriously ne South-West to tell because a prolonged dispute oyees not to travel to could threaten their supplies.

y. Somerser County Back Page nools are being closed

er notice.

CBI has set up a working party icopters dropped sup—consisting of senior executives arouned householders from companies with experience nimals. In the Bourne in Government contracting—to Poole area, thieves prepare a detailed tase against tage of the conditions the Government's plan to enforce

Mason, Northern two days a mouth to act as non-

retary, is expected to executive directors of non-com-Commons statement Chequers yesterday rity in Ulster in the reek-end restaurant hich killed 12 people . DIRECTORS of companies o 30. Back Page

secklace

sold a Cartier's investors committee Until now, and diamond necklace has taken action only when at a 53.4m, week worries about a company were in St. Moritz, Swit- worries about a company were

vere killed and 125, vernment rioting in rth-West Iran. The th-West Iran.

guarters

15,000 forces ters are unoccupied. • CONSUMERS are adopting a the latest official slightly more cautious view of the show a rise of the future but still feel much ar. Many servicemen more secure than a year ago, amilies cannot afford according to the latest FT survey was claimed.

died in a fire which form, in Pall Mall, higher than a year ago. Page

to Merton, London o. 4RK 027384.

ganda material was tract to build a SSOm gas gather-when police broke up ing and processing plant in in a West Berlin bar. Bahrain. Page 3

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Top White House talks as coal peace in French moves break down

BY STEWART FLEMING: NEW YORK, Feb. 19

sive power cuts and job layoffs it takes for the 160.000 miners to legislation and this would take threatened in the Middle West, ratify any agreement. top White House and administra-

No. 27,490

Energy Secretary, Mr. George The current impasse has been back to work for up to 80 days Schuliz, chairman of the Council reached in spite of concessions while negotiations continue.

of Economic Advisers, Mr. Ray by the coal companies which in a meeting with the Presidentshall, Labour Secretary, and offered not to impose financial dent last week. Severnors of applications of unofficial strikers

workers of America and the seized the coal mines under the for our country workers of America and the seized the coal mines under the for our country workers of America and the seized the coal mines under the for our country which the coal mines under the for our country and also weeken an Disputes Act. In the settlement already strained relationship bedieved which the Government than the formation that the formation of the for clared: "There is no hasis for which further negotiation."

puts at the hear of which are dif-ferences over a basic wage and henefit increase of 37 per cent.

with one of the most severe March cuts of a half can be anti- or another possibility forking winters in memory gripping cipated. Such cuts would seem both parties to adout binding parts of the country, and exten- unavoidable given the two-weeks arbitration, sould require new

which the Government then tween the President reached with John L. Lewis, organised lebour, normally It was hinted that the Government may consider "undesirable but probably necessary" alternatives to negotiation in the disputs at the hear of which had is a content of the major concessions including the cratic Presidents.

There have oven two deaths by shooting the shooting th

Two deaths

henefit increase of 37 per cent.

The coal companies' efforts to apparently by Atriking miners are dozen North Sea oil rigs will be the RAC as the worst or many years cut off villages in Dorset and blocked hundreds of cads.

It will be difficult now for the these funds and bring them trollers start a work-to-rule protecting trucks moving coal by under individual company rather trucks moving coal by under individual company rather trollers, employed by which produces electricity in the Marconi Marine, have key jobs, maintaining communications with shore bases, helicopters and 00,000 homes to have water supply vessels.

The coal companies' efforts to apparently by Atriking miners.

It will be difficult now for the under individual company tarther in forthcoming at the bargaining the state, has forecast power towards company-by-company and thus a threat to the union's where much of the country's water supply vessels.

It and other utilities, have existence.

Mr. Marshall said that despite Another proposal being dis. that the final outcome of the tion officials met to-day to decide the breakdown he intended to cussed is recourse to the exist-how to break the stalemate in the keep in touch with both sides in ing U.S. labour lines, in particu-form the hope that the prospect of lar the Talt-Hartley Act. This Annud growing concern about further Government intervention allows the President in a national the impact of the strike on the would soften the positions being emergency to ask the courts for grounding. Mr. James Schlesinger, taken.

an injunction forcing strikers:

Representative were locked in discussion with special advisers to President Carter, including Mr. Jody Powell and Mr. Hamilton Jordan.

Penalties on unofficial strikers and to restore the cost of hyingstration unofficial strikers and to restore the cost of hyingstration states where coal producing mid-West states warned that the miners states warned that the miner

Late last night, after more than 40 hours of almost continuous efforts to mediate in the dispute between the United Mines workers of America and the seized the continuous efforts and the seized the continuous efforts to mediate in the seized the continuous efforts to mediate in the seized the continuous efforts to mediate in the seized the continuous for our countries and described resort to the continuous efforts to mediate in the seized the continuous for our countries and described resort to the continuous efforts and described resort to the continuous efforts to mediate in the seized the continuous efforts and described resort to the continuous efforts to mediate in the seized the continuous efforts and described resort to the continuous efforts to mediate in the seized the s

in fights between union and nonunion mines. Cost barges on the Ohio River have been fired on,

Continued on Back Page

No major interruption to oil lt. and other utilities, have existence. production is expected initially, given a warning that by early however, seizure of the mines, but oil companies have said they are taking the action seriously. Perer workers threaten industrial action on pay

BY PAULINE CLARK, LABOUR STAFF

rule which caused blackouts in rejection of the latest pay offer pressure on the union hierarchy millions of homes and factories but also issued their own in before the March 2 meeting. in supplementary evidence to the Wilson Committee on City

with management difficulties will be able to raise the problems

bring bonuses in line with those tion.

of surface workers in the coal The idea of setting up such of surface workers in the coal. The idea of setting up such necessarily place lower limits on industry. Negotiations resume an association either as a break-

A meeting in Doncaster of of membership proposals de £7,000 and £10,000 a year, meant about 100 shophoor representa- liberately come at a delicate a great deal more than it did tives on the industry's national stage in the industry's pay for a manual worker on £39 a unofficial stewards' committee negotiations.

is reached,

Last week he rejected an offer of 10 per cent. plus an extra account of feelings at the grass roots, the committee issued a committee and three times that amount, to the pressing instead for more than three times that amount, to the pressing in the property of the pressing in the press

on March 2, with settlement due away union or as a supplemen-

MILITANT power workers and not only "wholeheartedly" The militant stewards can last month's shortfall was leaders of the unofficial work to endorsed their union leaders hope to raise the psychological almost entirely due to a rule which caused blackouts in rejection of the latest pay offer pressure on the union hierarchy deterioration in the balance of

last autumn are stepping up the structions to all power stations. The acceptance last Friday by their pay demands are not met.

Mr. Frank Chapple, general secretary of the Electrical and Plumbing Trades Union, has warned that the Government shopfloor is not being adequately cent. From productivity is bound and employers will ignore the shopfloor is not being adequately cent. From productivity is bound and employers will ignore the "full consultation" with the difficulties around the negotiation is reached. The acceptance last Friday by

But the unofficial stewards committee and union negotiators united this week-end in rejecting in advance an argument by the Electricity Council that this must

id to be Islamic

CABINET Ministers spent in the four hours at particular than the four hours at particular than the more than four hours at particular the Budget which Mr. Denis support for Somalia the Budget which Mr. Denis support for Somalia the Chancellor is leaning to March 2 with settlement due away thing or as a support for union. Mr. lack Buggin, national power than the unions as general and Municipal Workers their negotiators became clear the Budget which Mr. Denis support for Somalia the Chancellor is leaning in Dogicaster of membership proposals de 17,000 and 110,000 a year, meant their negotiators and managers already on between the support for Somalia the Chancellor is leaning in Dogicaster of membership proposals de 17,000 and 110,000 a year, meant their negotiators and managers already on between the support for Somalia the Chancellor is leaning in Dogicaster of membership proposals de 17,000 and 110,000 a year, meant their negotiators and managers already on between the support for Somalia the Chancellor is leaning in Dogicaster of membership proposals de 17,000 and 110,000 a year, meant the support for Somalia the constitution and terms and managers already on between the support for Somalia the constitution and terms are supported to the support for Somalia the constitution and terms are supported to the support for Somalia the constitution and terms are supported to the support for Somalia the support for Somalia the constitution and terms are supported to the support for Somalia the support for S

Cost of Speke closure may be in Leyland's 1977 accounts

BY TERRY DODSWORTH, MOTOR INDUSTRY CORRESPONDENT

Leviand's financial problems as possible in an exceptional items. Less favourable According to Leyland executifinancial provision falls logically motor companies were second profits. provision in the 1977 accounts.

and £100m. Before taking that taken then. into account, Leyland's trading profit is expected to be about £5m.

Restructuring

adopted these accounting tech pressing. adopted these accounting tech pressing.

Speke is not reached.

niques before — notably when Losses were particularly heavy After a meeting at the weekthe 1975 accounts were used for in the international division, end the shop stewards piedged losses incurred in closing, or partly because of a new, and less full support for "any action" part closing, the company's busi- favourable. transfer pricing union leaders or Speke workers nesses in Spain. Italy and agreement with the cars division, might take to prevent the loss of Australia - the procedure this and partly because the improve-

beyland now reports on a Products division, which made hourly-paid workers. The January to December basis, a profit of about £10m, the rest maintenance men to clear the which means that the Speke of the manufacturing activities way for resumed production. The Cosure and any restructuring it did not perform well.

The Truck and Bus division, Ford strike ends, Page 5

Rambert, founder of controlled car maker, is to build BRITISH LEYLAND may take other overseas businesses, has which has been steadily losing ompany which bears a new plant at Naples — proto the costs of closing its Speke yet to take place.

S 90 to-day. Viding up to 1,400 new jobs — plant in Liverpool into its _ In the Speke case, Mr. Michael coming under increasing presviding up to 1,400 new jobs — plant in Liverpool into its labor Party has despite the heavy losses of its last year. The large of high unember of high unember labour contract agreed after to Merten I age 25

Labor Party has despite the heavy losses of its accounts for last year. The labour contract agreed after few months.

In the Speke case, Mr. Michael coming under increasing presentations in the area accounts for last year. The labour contract agreed after few months.

This highly unusual more is namy did not make that the compared to the trade unions that the company did not make the union and loss in the U.K., and In the Speke case, Mr. Michael coming under increasing presentations.

Labor Party has despite the heavy losses of its accounts for last year. The labour contract agreed after few months.

The decision is part of a new labour contract agreed after few months.

This highly unusual more in the U.K., and In the Speke case, Mr. Michael coming under increasing presentations.

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This highly unusual more in the U.K., and In the Speke case, Mr. Michael coming under increasing presentations.

tives, Josses written off in this within the 1977 year on the Refuse work way could range between £50m. ground that the decision was

Australia — the procedure this and partly because the improve some 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment in the value of sterling ment 2.800 jobs under Leyland's ment 2 But, apart from the Special

being considered as part of a on closure until February this agreement with Leyland Interplant to deal with as many of vear. in which most of the world's motor companies were able to

Our Labour Staff adds: Whatever the final decision on Levland shop stewards on the the exceptional items, the rest of the Leyland accounts, due to be published in March, will show the need for the radical restructure the Midlands to refuse work transferred from Liverpool if an Although the company has for which Mr. Edwardes is now TR7 sports car production at

hourly-paid workers.

Left still ahead elections

WITH ONLY three weeks to go to the first round of the French General Election on March 12, the parties of the Left have maintained a substantial lead in the public opinion polls.

But the latest survey shows election remains very much in

A Louis Harris poll, due to he published by the news magazine L'Express to-morrow shows little change.

The parties of the Left com-

hined are given some 51 per cent. of the total vote in the first round—26 per cent, for the Socialists, 20 per cent, for the Communists, 2 per cent, for the Left-wing Radicals, and 3 per cent, for a number of extreme Left-wing groups. The Government coalition parties and other Right-wing groups are accorded 45 per cent, with 22 per cent, of the voters opting for the Gaullists, 19 per cent, for President

Giseard's Republicans and their centrist allies, and 4 per cent, for the extreme Right. The poll shows that the Communists hold the key to the final result. If, in the vital run-off on March 19, they stand down in farour of Socialist candidates in the constitueucies in which the latter are the leading representatives of the Left in the first round, the Left should win an overall

parliamentary majority. But if the Communists refuse to make an electoral pact with the Socialists between the two rounds, the present Government coalition parties are expected to Obtain a large majority.

THE Government's hopes that the improved perform-ance of the economy in recent weeks would help their electiion prospects have suffered a sharp setback with the an-nouncement that the trade halance swung hack into deficit in January, after moving steadily into surplus in the last quarter of 1977. Seasonally adjusted, the deli-

:166hn. in Tecember The Trade Ministry said that

agricultural trade, itself the On the prices front, too, fresh problems are appearing.

After dropping to only 0.3 per cent. in December, the monthly rate of inflation is again expected to jump in January and February this

Feature Page 23

CBI worried by slump in export orders

BY KENNETH GOODING, INDUSTRIAL CORRESPONDENT

British Industry says to-day that normal." the picture is worrying." The

trade statistics which reflected an acceleration in the growth a marked decline in the volume rate of production, of exports since the late summer. The CBI says, however, that

In only a few industries, in stocks.

THE deterioration in manufact particular electrical engineering, turing industry's export order did more than a third of participooks continued during the past pants regard the volume of their month and the Confederation of present order books to be "above

The indications about prices The CBI's monthly industrial are reasonably good. trends inquiry, carried out be-balance of companies expecting tween January 31 and February to increase home prices during 15, showed that only producers the next four months remains of consumer goods were relatively low by the standard of the tively less pessimistic than in past four years and is much as the past.

It has been for the past two or Overall, there has been a contitue months, siderable fall in export order. The four-month forecast for it has been for the past two or

books during the past 11 months, the volume of output is also.

This will be disturbing for the much the same as in the months. Government, which is still puzzl- since September, suggesting that ing over the January balance of most companies do not expert

of exports since the late summer. The CBI says, however, that I the frond is not fully eximined diverse areas—includiplained by the slow growth in ing electronic goods, furniture, world trade. Neither would the resins, and plastics—activity erosion of the U.K's relative seems likely to pick up, price advantage since the recent. Stocks of finished goods rise in sterling normally be extremain more than adequate in pected to have an impact until manufacturing industry as a later in the result. Total order books among the 2.025 companies questioned of finished goods stocks is under books and the 2.025 companies questioned of finished goods stocks is under way. In only a handful of the 15, although clichtly less so than was typical in the previous six months. whole and it does not seem that

Nationalists likely to back Scots Bill

BY RAY PERMAN, SCOTTISH CORRESPONDENT

LEADERS OF the Scottish of its MPs have claimed that this National Party are likely to amounts to rigging the refer-decide to-day to support the third endum in advance and there has

ments to the Bill last week,

If it survives the third reading, the Bill and that a general elec-the Bill will have come through tion would not necessarily follow the Bill will have come through if the Government were defeated

angered by the proviso inserted MPs will, however, be subject into the Bill against the Governto a three-line whip, ment's wishes requiring 40 per. The Nationalist a legislative assembly can be set of its failure to reduce up in Edinburgh.

reading of the devolution Bill in been talk of the party washing the Commons this week, thus its hands of the whole affair by making it highly probable that allemening to vote down the Bill it will pass. Or abstaining.
In the vote—on Wednesday Party leaders and MPs, how-night—Ministers will be able to ever are expected to agree at a

Seasonally adjusted, the defi-cit last mouth amounted to Frs.1.85hn. (about 2200m.), all but a handful of Labour back-compared with a surplus of benchers, in spite of the fact that The most powerful arguments 49 Labour MPs helned to defeat for trus course are that the 11 the Government over amend- Nationalist votes at Westminster might not be decisive in killing

agricultural trade, itself the result in changes in the Common Market's price mechanisms and the devaluation of the "green frane."

The Nationalists have been as an issue of confidence, Labour

cent, of the total Scottish electwelcome an election now. They torate to vote for devolution in feel the Government would be the proposed referendum before vulnerable in Scotland, because

Senior Party officials and some Editorial comment. Page 12

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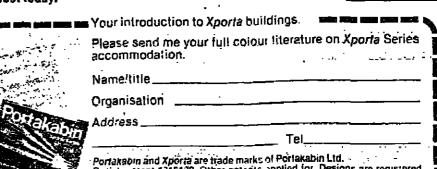
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Rhodesia talks still facing Debate call on Israeli Egyptian intervention ends in bloodshed interim government hurdle links with

BY TONY HAWKINS

SALISBURY, Fcb. 19.

parties engaged in Rhodesia's what they would like to see— electorate) elected legislature, domestic settlement talks meet in and the Smith government on But the Prime Minister is domestic settlement talks meet in and the Smith government on full plenary session to-morrow the other. to try and resolve the final out. At the root of the disagreestanding major hurdle to an agreement. That is—the structure, composition and duration of an interim government to supervise free elections and pave the way for a one-man-one-vote government late this year or early in 1979.

At the root of the disagree-man disagreement, the root of the disagreement that ment is Mr. Smith's fear that ment is Mr. Smith's fear that ment is winning black rather than the white acceptance. His advisers are saying that if the interim government is seen by the country's hlack majority to be in any way "phoney" then the whole plan will collapse. This is believed to be a much more real danger than that of rejection at At last week's talks the strictly ministerial posts would be held constitutional problems were by the nationalists and only 25 Difficult though the problems solved "in principle" (though per cent, by Mr. Smith's ruling of reaching agreement on an Phodosis Front

there is detailed drafting to be Rhodesia Front.

ment problem to be resolved and this has been done can the plan British Government would accept politicians here say that this be put to the 100,000 white voters the constitutional agreement could be done in time for a at a referendum. Mr. Smith reached last Wednesday between signing ceremony within the fears he could lose that referen-Rhodesdia's Mr. Ian Smith and next fortnight or possibly within dum if he has already accepted moderate nationalist leaders in a few days. The disagreement on a majority rule executive—with cluding himself. The interim government is many more black than white Mr. Sithole is to have talks between all three nationalist ministers—and has agreed to with Mr. David Owen, the Foreign parties on the one hand—who government without the popu-Secretary on Monday.

done) and the delegates reported also that they had reached agreement "in principle" on a "statement of intent" about the future composition of the security forces.

This leaves the interim government problem to be resolved and the politicians here say that this has been done can the plan british Government would accept politicians here say that this has been done can the plan british Government would accept the constitutional agreement

DELEGATES FROM the four have reached a consensus on larly (in terms of the white being told by at least some of his advisers that what matters now

interim administration may yet

Front line states may meet soon

BY MICHAEL HOLMAN

THE VISIT of Mr. Joaquim four-point declaration which in- over recognition of a predomi-Chissano. Mozambique Foreign cluded support for the "positive nantly black administration in Minister to Lusaka this weekend, aspects" of the Anglo-American Salisbury. Settlement plan for Rhodesia. A third issue may be the in-

Minister to Lusaka this weekend. Sapects of the Angio-American Saisbury. Settlement plan for Rhodesia. A third issue may be the incarrying a message for President Machel. Have led to speculation that the Patriotic Front led by Joshua to now the main guerilla offensive front-line states may meet soon to consider the implications of the Salisbury agreement between Prime Minister Ian Smith and three internally-based black leaders.

The five—Mozambique, Zambia, Tanzania, Botswana and Angola the concern of nationalist officials African Peoples Union are internally based in the Mozambique trace over the wait-and-see attistide the country. Yet the Zapulast met in the Mozambique trace of African Unity based in Angola and Zambia.

Ethiopia

JERUSALEM, Feb. 19. AN URGENT Knesset debate has been called for by a prominent member of Israel's Labour Party, now in opposition, on Foreign Minister Dayan's statement in an interview in Zurich a week ago. was rendering israel limited Ethiopia. military- aid

It was this statement which caused the Ethiopian Govern-ment to expel all Israells within 48 hours, M.K. (Mem-her of Knesset) Yossi Sarid stated on Israeli television last night. He said that no Israeli nationals have remained in Ethiopia, but some sources here claimed this morning that several commercial representatives had been allowed

to sfay on. Gen. Dayan's statement was until last night, almost studiously ignored both by the local press and Israel radio and TV. While the fact that Israel has rendered limited assistance has been known. imited assistance to Ethiopia in the past had been known, it was not given any publicity. This assistance, according to reports published abroad, included the training of Ethiopian troops by Israeli instructors on Soviet tanks at their discountry.

disposal. John Worrall adds from Nairobi: The Kenyan Government this week-end said it had ment this week-end said it had not been informed that Iran was recalling its ambassador from Nairobi and closing its embassy. The announcement was made in Tebran on Satur-day by the Iranian Foreign Mr. Abbas

Khalathari. Acling Kenyan Forcign Minister, Mr. James Osogo, said the Kenyan Government had not been informed of anything officially.

A row erupted after Kenyan protests' on television about Iran's involvement in the war in the Horn of Africa on the side of Somalia. "Iran is not an African country to take part in African issues," it was

plane escaped safely to-night dent Sadat. have so far resulted in little after a fierce gun battle between Only a week ago he detained damage.

Egyptian commandos and Cypriot two Kenyan passenger planes at That four Palestinians, includ-

plane, which was being held by two unidentified gunmen.

ately intervened to prevent the risk the good relations between of their political colour.

action and killed at least five Nicosia and Cairo, which were One of the factors which may British men from the Special Air commandos and wounded many fostered so carefully and such ave encouraged the Egyptian Service, which had landed at more. Palestinian sources here cessfully by the late Archbishop Government to try to intervene Larnaca to attack the plane said earlier at least 15 Egyptians. Who strove to keep at Larnaca is that Cyprus has which was subsequently stormed below the late of the computation in extremely stormed to the reputation of the reputation of the reputation in extremely stormed to the reputation of the reputation The official said: "The tarmac disputes.

tion in the Cyprus hijacking and most violent anti-Egyptian inci- tinians to keep Cyprus out of decision to send in commandes the fighting with Cypriot security dent since President Sadat's their disputes.

security forces at Largaca air. Cairo after an Egyptian plane ing two PLO officials, known to port in Cyprus.

An official in the control tower. Force to land at Nairobi. This line up with PLO Chairman control tower. An official in the control tower. Force to land at Nairobi. This Yasser Arafat should have been contacted by telephone, said the was during an attempt to overtaken hostage is the most public shooting broke out when fly Kenyan airspace on an arms indication yet of the political release of prisoners in Israel, plane, which was being held by

The Control incident in the up with PLO Chairman angerial and a Falestinian guerilla to go free after they taken hostage is the most public Spain and made demands for the indication yet of the political release of prisoners in Israel, plane, which was being held by

The Control incident in the up with PLO Chairman angerial and a Falestinian guerilla to go free after they taken hostage is the most public Spain and made demands for the disarray among the Palestinians.

Observers said that Arabs may The Cyprus incident is more Observers said that Arabs may Soon afterwards Cyprus was in-

Cyprus out of the Arab-Israel gained the reputation in extre dramatically disputes.

The murder in Nicosia of Mr. Government following the break- Mogadishu incident and the is like a battlefield, but all the The murder in Nicosia of Mr. Government following the break- Mogadishu incident and the hostages and the crew are safe. Yusef Sibai, the prominent down of a secret agreement nego- anger felt in Egyptian fitter the Nicosia: The Egyptian writer and former tiated by the late Archbishop murder of Mr. Sibai in Nicosia: Nicosia: The Egyptian interven- Minister of Information, was the Makarios with Israelis and Pales- which led to President Sadat's tinians to keep Cyprus out of decision to send in commander

ALL THE hostages aboard a com- second major diplomatic inter. November, Bombings and shoot- more serious Larnaca fiasco is mandeered Cyprus Airways DCS vention recently made by Presi ings against Egyptian embassies the third major incident involved and the property of the past of t

have so far resulted in little ing Cyprus, in the past six damage. Last September, the Nicosia

lane, which was being held by

The Cyprus incident is more Observers said that Arabs may volved in a dispute with West wo unidentified gunmen.

He said the Cypriots immediates and because lives have been have begun to over-react in Germany, when Nicosia refused lost and because it has put at many different ways, regardless permission for a West German. forces which it triggerred, is the peace initiative with Israel last. The Sibai incident and the Cyprus Government.

Begin is 'crying for the moon' says Sadat

with the U.S. and feared that air. stinians.

"crying for the moon." President weekend remarks that the U.S. Sadat said, if he thought he had to provide Mr. Sadat with could have both territory and aircraft in order to forestall the peace. Mr. Sadat thought that threat of a military coup. While Mrs. Golda Meir, the former senior generals have undoubtedly Israeli Prime Minister, would been pleased at Mr. Carter's arms

PRESIDENT SADAT of Egypt have been a much better nego offer they are equally well aware of sabotage and fomenting sedisaid to-day that he could not tiating partner than Mr. Begin. that Mr. Sadat's initiative has tion among students. A manunderstand how the United it is becoming increasingly failed to alter the balance of ber of Communist leaflets are
States could support his peace clear that Egyptian officials power in the Middle East and said to have been found in their
efforts while at the same time believe that Mr. Begin is personlavishing arms on Israel.

In an interview with the progress in the Middle East peace supply role during the early Assad leaves to-day on a threeweekly "October" magazine Mr. talks, and they intend to conSadat argued that Israel could
play with the idea of peace public."

Came in an official statement and military standing of the five
simply because of the enormous

Mr. Sadat is reported to have from the military prosecutor yesmember Arab. "resistance front"

with the U.S. and feared that air.

Mr. Sadat is reported to have from the military prosecutor yes quantity of military equipment that had been received from Washington.

Mr. Sadat is reported to have from the military prosecutor yes recovered some of his optimism terday. He stated that 34 memsince his talks with President bers of a Communist organisa-Carter. There is also satisfaction tion, whose arrest has been president for it is also satisfaction tion, whose arrest has been president for it is also satisfaction tion, whose arrest has been president for it is supposed in Cario stage a coup. They are accused relations and there "joint struggle against imperialist aims in Arabitation of Government by preparing acts that his trip is aimed at persuading for the Pale
There is also satisfaction tion, whose arrest has been president's talks would focus on a strengthening of Syrian-Soviet for its in that his trip is aimed at persuading for the pale
There is also satisfaction tion, whose arrest has been president's talks would focus on a strengthening of Syrian-Soviet for its in that his trip is aimed at persuading for the pale
The argued that Israel objected to the sale of the F-5's because it wished to monopolise links with President bers of a Communist organisa
There is also satisfaction tion, whose arrest has been president's today the President's today the President's talks would focus on a strengthening of Syrian-Soviet or its in the pale
There is also satisfaction tion, whose arrest has been president bers of a Communist organisa
There is also satisfaction tion, whose arrest has been president's today the President's today to a strengthening of Syrian-Soviet for the Pale-

the supply of equipment to the Egyptian army.

Mr. Andrew Young, Washington's Ambassador to the United Nations, has nevertheless caused Egyptian army. Nations, has nevertheless caused Mr. Menahem Begin, was some irritation here with his

Peru loan

continue

negotiations

utions and banks worth about

Sibn. will fall due for repayment this year. Some of this however is the kind of short-term trade finance which is automatically

rolled over, but it is not known how much falls into this category Figures published last year by he Bank for Internationa

Settlements in Basle showed that major international banks had

claims worth \$2.99bn. on Peru while unused credit commit-ments only amounted to \$590m. Of the \$2.99bn., \$1.22bn. was due

last July. Mrs. Nusrat Bhutto, who is leading the Pakistan People's Party during her husband's trial on a murder charge, has to stay in her Lahore home until Tuesday night. Previous house arrests have prevented her leading demonstrations in

China's Parliament

stamp parliament will put the official seal of approval on the changes that have taken place in the country since the death

of Mao Tse Tung in September 1976 and the battle against the extremist influence that still

The session is also expected

to give the clearest insight yel into the country's present powe

public." came in an official statement and military standing of the five Mr. Sadat is reported to have from the military prosecutor yes member Arab "resistance from:"

W. German terrorism law threatened by the liberals

BY JONATHAN CARR

with a majority of only one vote states, to prevent rejection there may not become law in their present form — and will continue to be a source of friction it is in coalition with it between the West German government coalition partners.

This became clear following an interview given to-day by Herr Hans Dietrich Genscher, the could not prejudge the attitude of these States, adding leader of the Liberal Free Demostrats (FDP). junior partner in FDP to use its provincial coalition.

repay principal and interest payments falling due in 1978.

These payments will amount to some \$300m. If all other forms of borrowing in foreign currency are included, debts to Western Governments, international institutions and banks worth about the solutions and banks worth about the solutions are included.

ANTI-TERRORISM mea- the second chamber grouping passed by the Bundestag representatives of the provincia with a majority of only one vote states, to prevent rejection there

leader of the Liberal Free Democrats (FDP), junior partner in FDP to use its provincial coalition. He was noticeably tions with the CDU to correct cautious about the FDP's attitude during the rest of the spp.

Inational interest partner with the internal problems of the spp.

In a provincial coalition about the FDP's attitude during the rest of the spp.

In a provincial coalities process through the internal problems of the spp.

In a size of the Liberal Free Demosharply that it was not up to the crats (FDP), junior partner in FDP to use its provincial coalities with the internal problems of the spp.

This statement is one of the clearest examples yet of a greater coolness between the proposals it introduced with the proposals it introduced

The FDP could now try to use mittee where the CDU will seek its influence in the Bundesrat, to strengthen them.

Italian Communists call truce for all-party talks

ITALY'S Communist Party to-day to aspects of his outline extemporarily set aside its political programme.

demands, as the country's six But the aub of the crisis, which

win all-party agreement on an ticket, are reluctant to concede such enhanced political status to the morning his talks with except of the morning his talks with party's back perts of the morning his talks with except of party is a fresh round of the morning public section of abortion will resume a fresh round of the morning public section of each time and the proposal and

demands, as the country's six But the sub of the crisis, which parties try to reach a compro has left Italy without a Govern mise agreement on the terms of ment for just over one month at least \$260m for five years with the grace period likely to gramme.

The PCI is not dropping its seats in the next Cabinet, now

Very low poll in Soweto

News Agency (NCNA) announ of Ten, whose members are all products around estimate ced to-day.

The fifth National Peoples Action Committee, its successor, segond esses possible and at New York Congress, the country's rubber

house arrests have prevented her leading demonstrations in protest against Mr. Bhutto's detention. Mindful of a riot that occurred when she attended a cricket match last December, the authorities military government's action enabled the India/Pakistan hockey international to pass off in the city without incident this afternoon. A large crowd including General Zia watched India win 2—1.

China's Parliament

BY QUENTIN PEEL

JOHANNESBURG, Feb. 19.

ONLY 492 voters went to the to boycott the elections. They poils in Soweto this week-end to were supported by Chief Gathsha clect a Community Council—Buthelexi, the influential Zulu the body proposed by the Gov-leader, who forbade any-of his ernment as a municipal authority followers from standing as can for the lim. plus black township didates. Complex. The voters represented Dr. Council Mulder, the ministending General Zia watched India win 2—1.

China's Parliament

China's Parliament

on February 26, the New China including the Soweto Committee

PEKING, Feb. 19. The stay-away follows calls by registered voters out of an estiCHINA'S parliament will meet several radical black movements, mated 200,00 eligible to vote.

Robseal can fix it fast and guarantee it for 5 years. Established 15 years.

Lloyds Bank Group

Lloyds Bank Group Results 1977

Group profit before tax was £166m

The figures show a useful increase over those for 1976, but because of inflation are worth much the same in real terms. More came from international activities; less came from UK banking because of lower interest rates in the second half-year and lack of demand from industry for loans.

Out of this, taxation takes £88m

Tax at home and abroad is slightly higher than last year.

and proposed dividends take £15m

This is the maximum permitted, but again no increase in real terms.

so profit retained is £63m

This goes to support world-wide operations and a balance sheet which now totals £13,500 million.

DORN THOMAS

ANTHER ARCENTINE moder indus crose in the world brown and the project. The proposed cigital ingrafied in the field of the new company is some and the project. The proposed cigital ingrafied in the field of the new company is some and the project. The proposed cigital ingrafied in the field of the new company is some and the project. The proposed cigital ingrafied in the source of fingers in the project in the source of fingers in the source of finge

protest over

fastener

Swiss deficit By John Wicks

Sw.Fr.210.4m. for January companies which did not get after surpluses for the two pre- to occupy the positions which vious months. But foreign-trade they occupy in the world market

ARGENTINA

Crisis days for motor industry

high functionary in the palace to the suppliers, between 15 and come was to go into debt by buy. He confirmed that the extension of the Treasury noted the circumstance that all the motor vehicle in taxes—vAT, the highway, said. ZURICH. Feb. 19. stance that all the motor vehicle THE SWISS Foreign Trade companies manufacturing here balance showed a deficit of are part of big multipational Sw.Fr.210.4m. for January companies "which did not get

If there has been a policy at a buyer pays for a new car in peded the practice of saving, and work up to the highest inter-the Argentine industry from the Argentina 30 go to the manufacture of the only way for one to safe national standards by the early foreign competition. Recently a

Pre-shipment finance

Emirtel switches to SPC system

Out of every 155 pesos which price of the car. Inflation un which would bring Emirlel's net-

that contracts would be awarded for the various parts of the net-

work bit by bit.

The decision to move beyond the U.K.-made Peatex equipment The time of the compared with 1976 when scheded £23.7m, and exports

\$\frac{1}{2}\$\text{1m}\$ and exports

\$\frac{1}{2}\$\te

S. remained the British general recession in the world's favourable trade balance of e tool industry's best leading industrialised nations. £40.5m, against £34.3m, and took market in 1977, according analysis of the official reasonable. However, the industry's ten-year positive reasonable. However, the industry's ten-year positive contribution to just under try is by no means self-satisfied and has set itself an export-to-production ratio of 60 per cent. Among the newer export territories. Last year were lrange tools.

1 K industry exported of U.K, machine tools in 1977 While exports to Japan remained.

le to return to a balance surplus with the U.S. from the U.S. totalled compared with 1976 when

om £3.7m. to £5.1m.

things as the existence industry. ngle order for a particu-

industry exported of U.K. machine tools in 1977 While exports to Japan remained of new and used reached £184.9m. (£176.7m. in negligible, imports, too, showed a tools to the American 1976) while imports totalled only a minor increase, up last year and was there. £114.4m. (£142.4m.). This gave a £400.000 to £6.5m.

Fake 'Sheffield' cutlery

MTTA warns that the amend the law to protect the the cheap imports. s can often be distorted public and the Sheffield in the decade to 1976 the pro-

the National Aer

on year - 127

129.8 131.0

103.2 125.0 126.7

Oct. 76 124.2

sumer protection secretary to Britain, as a direct result of

portion of imports more than "All you need to get round doubled to 77.5 per cent, by pensive machine or, somethe lew as it stands is a plating value. In volume terms the py political pressures. plant in Sheffield," he said, number of imports almost inst a background of "British manufacturers can buy trebled to 88 per cent, in 1976.

TRACTS

INDUSTRIAL PRODUCTION: 1970=100

124.5 125.0

124.9

101.3

127.0

133.3

Sept. 77 118.3

Aug. '77 129.2

Dfls. 50,000,000.—

61/2% Guaranteed Bearer Notes 1972

due 1976 / 1979 of. **ELECTRICITY SUPPLY**

COMMISSION

Johannesburg

REPUBLIC OF SOUTH AFRICA

Third annual redemption instalment (Redemption Group No. 1 and No. 4 fell due on April 1, 1976 and April 1, 1977 resp.)

As provided in the Terms and Conditions

Redemption Group No. 3, amounting to

Dfls. 12,500,000.-. has been drawn for redemption on April 1, 1978 and

consequently the Note which bears number 3.

and all Notes bearing a number which is 4 or a multiple of 4 plus 3, are payable as from April 1, 1978

Algemene Bank Nederland N.V.

(Central Paying Agent)

Amsterdam-Rotterdam Bank N.V.

Bank Mees & Hope NV

Pierson, Heldring & Pierson N.V.

in Amsterdam:

Kredietbank S.A. Luxembourgeoise

Crédit Commercial de France

in Paris;

Algemene Bank Nederland (Geneve) S.A.

Algemene Bank Nederland in der Schweiz AG

February 13, 1978

in Geneva;

in Luxembourg:

129.0

128.1 126.0

101.2

122.0

Chem has been awarded Egyptian railway authorities, ten act by Jugovinil for the of which should be delivered by including hlades alled cost y components will be nautics and Space Administration 40m. Export credit for the Societe Azote et Produits has been arranged by Chimiques, a subsidiary of CDF Bank supported by the Chimie, has been awarded a

Credits Guarantee Depart- Frs.23m. contract to Henschel a DM 50m order for 29 phosphates, scheduled locomotives from the operative in 1980.

interest in act by Jugovinil for the and supply of equipment the end of this year.

PVC plant to be built at Sucurac, Yugoslavia. The Erract to supply wind-tunnel fan Indian pact

build plant in South Africa for the has production of purified sodium to orld Economic Indicators

> nessmen is to visit China in Apri to follow up contacts made while the Chinese delegation has been here. This is also expected to improve political relations al-though this process is expected to

Pakistan to

recommend ways to solve them,

Prime Minister James Callaghan when he visited Islamahad, last month, that Pakistan would pre-fer buses, rather than cash from

Honda in

proposed by Yugoslavia's Metal-ska Industrija Standard two yeurs

When you've got a store in almost every High Street in the country distribution is inevitably an expensive business.

And that's why Woolworth have contracted an exclusive distribution fleet to deliver from their manufacturers and regional warehouses to every store every fortnight.

Our Contract Service is the most economical way to handle distribution because there's no need for a costly in-house transport department.

At National Carriers, we can supply the right number of trucks at the right time, so

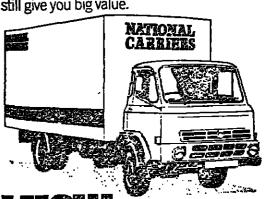
there's no paying for the upkeep of trucks that may languish in the depot at slack times of the year.

routes, and help out with problems like warehousing and security.

livery, as we do for Woolworth. So not only do the goods arrive on time, but they're actually seen to arrive.

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It doesn't matter if your transport problems aren't as big as Woolworth's. We'll still give you big value.



NATIONAL CARRIERS KNOW HOW

China shows

NEW DELHI, Feb. 19. CHINA WOULD like to conclude expected to be taken up at diplo

The most promising area of and iron ore to quickly raise stee capacity in their country. They said that Indian ore is better

import buses

KARACHI, Feb. 19. PAKISTAN WILL import 400

Yugoslavia

Honda added, Reuter,

a long-term trade agreement with India, the Chinese trade delegation now here on a two-week visit has indicated. The matter is matic level after the delegation reports back to Peking. In discussions the team has

andicated that China would trade on a balanced basis and that an agreement would help in achieving this. However, the Chinese have said they have no objection to settling deals in convertible

collaboration is steel and iron ore and the Chinese have told India of their plans to increase imports of steel plant machinery suited to their needs than that imported from Australia.

A delegation of Indian busi

PAKISTAN WILL Import 400 buses to meet an acute transport problem in Kafachi, General Zia-ul Haq, chief martial law administrator, said that 200 buses would be imported from Britain and 100 each from Iran and

Turkey.

A British expert from London
Transport would be asked to
study the traffic problems and

he added. General Zia said he told British

TOKYO, Feb. 19.
HONDA MOTOR said :1 is considering a plan to establish a joint venture in Vuncelania venture in Yugoslavia to produce petrol engines for use in muchines other than vehicles. Honds said the plan was first

ago, but refused further details. The Yugoslav company has been assembling small engines from parts supplied by Honda since 1975. It has assembled 500 engines for general use, 9.500 for agricultural machines and 1.400 engines for small generators in the first half of calendar 1977.

We can plan out the most efficient

And we can run our trucks in any

National Carriers Contract Services, call Brian

CBI to fight State pay-curb pressures

British Industry has set up a whicking party to prepare a detailed case against the Government's plan to "force are I members under through public sector contracts. I members under the chairmanship of Sir John through public sector contracts. I members under the chairmanship of Sir John through public sector contracts. I members under the chairmanship of Sir John through public sector contracts. I members under the chairmanship of Sir John through public sector contracts. I members under the chairmanship of Sir John through public sector contracts. I members under the chairmanship of Sir John through the chairmanship of Sir John through public sector contracts. I members under the chairmanship of Sir John through through the chairmanship of Sir John through the chairmanship of

Municipal engineers

State training scheme for

Financial Times Reporter

ants, who also know their way around the public sector.

Firemen face expulsion

ate of £13.5 per square feet. Northamptonshire face expulsion.

The £30m scheme has been from the Fire Brigades Union The Euston Square complex under construction by Sir Robert because they worked during the has a total office area of 307,000 McAlpine and Sons since 1974, nine-week strike. Their jobs are square feet, of which the British It has two blocks in front of the unlikely to be affected, as there is no local closed shop.

Hong Kong

London

London

Paris

London

London

London

Londen

Hopes rise of drop in jobless total

HOPES THAT the unemployment which is equivalent to 6 perfigures for mid-February pub- cent. of the workforce. This was lished to-morrow will show a 90,200 higher than a year earlier. stabilisation and possibly a Moreover, the number of THE CONFEDERATION of arguments about why the consing on July 31 this year "Other-decline in the total have in notified vacancies has been rising decline in the total have in notified vacanci

Although there was slight Both these estimates are rise in the U.K. jobless total in expected on Thursday, while the the month to mid-lanuary preliminary estimate for Gross because of a sharp increase in Domestic Product based on out:
Northern Ireland, the figure for put data for the fourth quarter tireat Britain fell, as it has in is due to be published this after-

the previous three months.

In the U.K. the number of This is likely to show that the adults out of work last month economy grew by a negligible was 1.43m. seasonally adjusted, amount last year.

National Savings bring in £194.7m.

the National Savings Bank's investment accounts last summer ceived formal proof of share when the department imposed when the department imposed warneles involving Mr. W. A. a £50,000 limit on individual wrangles involving Mr. W. A. accounts in an attempt to deter institutional investors.

cular, show a big increase in decision with the case of Hemer pany from him at that time, deposits placed in ordinary accounts with the month's situation lie in a provision of money invested in Hemer E28.7m. net deposits the best for Ontario jaw.

PAUL CHEESERIGHT reports on the odd ownership problems surrounding Hemerdon Mining

Attempt to unearth the grubstakers

Mr. Richardson apparently has far has not handed it ever to the Recently, however, the inflow those who provided cash for the company. Since the end of 1976 of funds into other forms of National Savings has improved. An intriguing side to Canadian with the present management the January figures in particular, show a big provided with the case of Haman, pany from him at the case o

Estimates of the amount of money invested in Hemerdon over about 15 years while it was under Mr. Richardson's control

back registration accountants BY KENNETH GOODING, INDUSTRIAL CORRESPONDENT suggestion that there should be statutory registration for profession lengthers. In its recommendations to the flowermments-possered committee control of an independent or transformation in the control of an independent or transformation is not required when the first flowers of the current registration. He municipals say as "a clumsy and infericent from the registration." He municipals say as "a clumsy and infericent from the satisfaction of an independent or transformation in the municipals say as "a clumsy and infericent from the satisfaction of regularities. He municipals say as "a clumsy and infericent from the municipals say as "a clumsy and infericent from the satisfaction of regularities. He municipals say as "a clumsy and infericent from the municipals say as "a clumsy and infericent from the municipals say as "a clumsy and infericent from the municipals say as "a clumsy and infericent from the municipals say as "a clumsy and infericent from the municipals say as "a clumsy and infericent from the municipals say as "a clumsy and infericent from income tax would be infered in a designation which the concept of a limited from of regularities." The municipals also support the experiments because the same prospecting expeditions centered from income tax or about 1,000 mans, and inferior income tax or about 1,000 mans, and inc THE Institution of Municipal. The institution suggests that a

ostablish a designation which the concept of a limited form of would assist individuals in their licensing for professional careers and identify a design gineers where the health and recognisable standard of competence." This is disclosed by the public are exceptionally at risk. The "very intensive" course and examinations. The schemes are said to make a year of postal uniform of the current rate of from income tax by about 5 per cent. This amounts to roughly and of this mouth—has continued to attract a high level of other than above. The "very intensive" course safety of the public are exceptionally at risk. The "very intensive" course in specific duties above. The "very intensive" course in specific duties above. The "very intensive" course in specific duties above. The "very intensive" course in specific duties of 60 per cent. The "very intensive" course in specific duties of 60 per cent. The "very intensive" course in specific duties of this mouth—has continued to attract a high level of other and that it was above. The "very intensive" course in specific duties of 60 per cent. The schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and a year of residential study in the schemes are said to inflation and period the inflation of the current rate of from income tax by shoult 5 per cent. This amounts to roughly accounts a period that it was above. The "very intensive" course in Section 1 in the problem of the current rate of footh and the current rate of footh inflation in fact Euston offices at £3.2m.

FINANCIAL TIMES REPORTER

available in London, in front of from its Marylebone head-Euston station, is to be let by quarters. The balance of 237,000: the British Rail Property Board rate of \$13.5 per square feet. Northamptor

Railways Board is to take 70 000 station.

April 3-4

April 6-7

May 8-9

May 15-16

June 14-15

June 19-20

July 10-21

August 30-31

October 2-4

April 10-11

THE LARGEST office complex square feet to house overspill;

FINANCIALTIMES

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10. Cannon Street, London EC4P 4BY. Tel.: 01-236 4382. Telex: 27347 FT Conf G

The Meade Report and Tax Reform London

The 1978 Euromarkets Conference London

Forthcoming Financial Times conferences include

upon-Thames and a party spokes- total tax revenue Complaint against FT rejected

According to the last Budget the revenue loss from income

income tax yield, adoption of this Mr. Sheldon also disclosed

change would have meant a that a rise in prices of 10 per revenue loss of less than £180m. cent. would, if reflected in a

in 1977-1978.

Writing to Mr. Norman incomes and profits, lead to Lamont, Tory M.P. for Kingston-roughly a 13 per cent, rise in

estimate of the total expected tax cuts in the Budget.

nent groups.

Mr. Devine contended there was an onus on the newspapers
The following day the Finanto have balanced their reporting
ciai Times published a statement Feb. they should have published and in his contact to set the record straight defamatory.

Mr. K. G. Dodd, executive Mar.

Reports in all three newspapers Mr. K. G. Dodd, executive Mar. were similar: talks the previous editor of The Guardian, said in Mar. day between the NUI and West, his paper's view Mr. Devine's Mar, minster Press to resolve the letter was over-long. Mr William Mar. closed shop dispute at Darling-

Mr. Devine's long letter to strong terms their "suppression" The Pressor a statement by the NUJ cation was: ished the letter.

told the newspaper that an graph are rejected.

COMPLAINTS by Mr. John official NUJ statement would be Devine president of the National going out through the P.A. Union of Journalists, against the Mr. Fisher said the statement Union of Journalists, against the Mr. Fisher said the statement Financial Times. The Guardian did not run until after the labour and the Daily Telegraph have staff had left the office, and said been rejected by the Press he had been advised that Mr. Devine's letter was "seriously defamatory." It was privately

cested as a means of offsetting

of a Westminster Press manage by Lord Gibson on the Darling Feb. ment statement on the Darlington dispute and gave Mr. Morgan ton dispute by publishing an NUJ an emportunity to comment. The an opportunity to comment. The day. Alternatively he thought the points Mr. Devine had made Mar. they should have published his in his letter, but without being Mar.

Deedes. Editor of The Daily Mar. ton had oroken down Reasons Telegraph, said a quote from a for the breakdown were local NUJ spokesman appeared explained. Each gave the manage in more than one million copies and the local state of the l ment view, and quoted a West-minster Press statement of the London and Manchester editions. He said he considered editions. He said he considered Mr. Devine's letter very long Mr. Devine's long letter to and it would mystify a high each of the editors criticised in proportion of his readership.

Unfortunately the NUJ state of the newspapers pubment was not available in time the letter. for the newspapers to include it Mr. M. H. Fisher, editor of the in their general editions as par Financial Times, told the council of the original story, and the cirthat his reporter had tried a cular letter that Mr. Devine number of times to make wrote was couched in such contact with the NUJ terms that the editors were Eventually Mr. Ken Morgan, then entitled to say they would no seneral secretary returned the publish it. The complaints general secretary, returned the publish it. The complaints call, and had a general off-the-against the Financial Times, The record talk about Darlington. He Guardian, and the Daily Tele-

This week in Parliament

ELECT COMMITTEE: Expenditure. Education, Arts and Home Office sub-committee, Subject Reduction of Pressure on the Prison System Witness: Sit Louis Petch, chairman of the Parole Board (4.15 p.m., Room

TO-MORROW COMMONS-Debate on Opposition

motion on taxation. Debate on the seventh report of the House of Commons Services Committee Session 1976-77 on Members' 2 mil Hesearch

LORDS — Participation Agreements Bill, thing reading. Sup-pression of Forrorism Bill, conmittee. Saiphuilding (Redundancy Payments) Bill, second Debate on disarma-SELECT COMMUTEES, Nationa-

lised Industries. Sub-commuttee A. Subject. Brutsk Rad Report and Accounts, Witnesses: British Ran (4 p.m., Room 8). Science and Technology. General Puroses sub-committee. Subject poses supremumore programmer and efficiency of dis-phases famos. Witness Mr. W Meikiejohn 15 p.m., COMMONS - Private Members Room 161.

COMMONS - Second Reading of COMMONS - Scotland Bill, third

the House Purchase Assistance and Housing Corporation Bill. LORDS—Debate on Profit Sharing, and of the Employment Sub-Debate on the report of the Debate on the report of the working group on the Library SELECT COMMITTEES: Nationalised Industries, Sub-committee B. Subteer Central Fleetricity Generating Board and Accounts, Witnesses (EGR (10.45 a.m., Boom S), Expenditure, Social Services and Employment subcommittee Subject; Employment and Training Witnesses Assem, of Municipal Authori-ties, Assem of County Councils

> THE RSDAY COMMONS - Debate on develop ments in the European Com-minutes July-December, 1977. Second reading of the Common-wealth Development Corporation Ireland (Emergency Provisions) Bill (Lords). Motion on EEC Document on Conflict of Laws: in the Community. LORDS-Theft Bill, report Blas. Mar. 22 London Chamber of Commerce & Industry, Fre-

Asseta of District Councils 14-20 p.m. Room 16). Science and Technology. Witnesses: Mrs. Shirley Williams. Education Secretary. and Mr. Gordon Oakes, Minister of State (5 p.m., Room 15)

phemy (Abolition of Offence)

FRIDAY

Buis

Businessman's Diary

U.K. TRADE FAIRS AND EXHIBITIONS

Date Title
Current International Knitwear Fair (cl. Feb. 23)
Current Int. Men's & Boys' Wear Exon. (cl. Feb. 23)
To-day Spring Floorcoverings Exhibition (cl. Feb. 23)
To-day Furniture Production Exhibition (cl. Feb. 24)
Feb. 21-23 British Growers Look Ahead Exhn. and Conf.
Mar. 5-10 Oceanological Equip. & Services Exbn.
Mar. 6-9 National Carpet Pair
Mar. 7-April 1 Daily Mail Ideal Home Exhibition
Mar. 12-15 London Young Fashion Fair
Mar. 13-17 International Electrical Exhibition
Mar. 13-17 International Pneumatics & Hydraulics Exon.
Mar. 13-17 Int. Instruments, Electronics & Automation Exbn.
Mar. 14-16 Int. Public Address Equipment Exha.
Mar. 16-17 Vending Equipment, Retreshment Services Exon.

Earls Court Earls Court Metropole Centre, Brighton Nat. Exbn. Centre, B'ham. Harrogate Metropole Centre, Brighton Blackpool Nat. Exbn. Centre, B'ham. Nat. Exbn. Centre, B'ham. Cupard Int. Hotel, W.6

Cumberland Hotel, W.1

OVERSEAS TRADE FAIRS AND EXHIBITIONS

				
21-24 Offsh	ore South-East Asia	Show		Singapore
	national Spring Fair			Frankfurt
	le Easi Transport Es			Dubai
28-Mar. 3 Int. 7	Tunnelling Industries	Exbn. & Conf.		Basie
2-12 Inter	national Mot or Show			Geneva
5-S Europ			· · · · ·	New York
512 Inter	national Agricultura	Exhibition .		Paris
	sh Industrial Exhibit			Kowloon
	national Audio Exhil			Paris
7-10 Powd	er Technology & Bu	lk Solids Exba.		Basie
8-12 Int. C	oil & Gas Heating Ex	hibition	•	Stuttgart
	national Shoe Fair			Utrecht
	national Spring Pair			Leipzig
	Printing & Paper Ind			Zagreb
15-18 Inter	national Building Ex	hibition		Singapore
			•	

BUSINESS AND MANAGEMENT CONFERENCES

	ren	21	Henley Centre for Forecasting: The Future of the	
13-			U.K. Property Markets	Bowater Cinema, S.W.1
١	Feb.	21	British Council of Productivity Associations:	r garage de la companya de la compa Companya de la companya de la compa
e- ,	!		Office Productivity_WieseSin	Metropole Hotel, W.2
ıe	Feb.	21-24	Bradford Univ.: Financial Control of R & D	Bradford
it!	Feb.	22	Institute of Personnel Management: Employment	
гŁ	l		Law in 1978	Manchester
r- 1	Fet.	22 - 22		Madrid
ie.	Feb.	2324	European Study Conferences: EEC Competition Law	Royal I spease Whiel W 2
'n	Feh	24	Thames Polytechnic: Business Trends in France	Dartford
re Pe	Feb.	"5 Mar "	British Transport Staff College: Finance &	Pardord
ol		20 Juli 211,	Accounting for Management	Woking
	Feh	?735ar ?	ICA: Personal Income Tax course	Grand Htl. Eastbourne
(a)	Foh	77-3for 2	London Chambon of Commence & Industry, Under	COLSULT IN IF CREINAINE
	7 1217.		London Chamber of Commerce & Industry: Under-	and the second second
Ğ٠,	E.L	27 34 10	standing the Arab World	69. Cannon St. E.C.4
:	reo.	21-Alar. 10.,	P-E Consulting Group: Production Engineering	Training Centre, Egham
į	rep.	21-28	Financial Times. The Banker, Investors Chronicle:	
- ;	.		World Banking in 1978	Grosvenor House, W.1
	reb.	27-Mar. 1	AMR International: Creating Business Growth in	
			Europe	Royal Westminster Htl., S.W 1
	ren.	28	Institute of Directors Annual Convention. The	
			State & the Individual	Royal Albert Hall, S.W.7
	Feh.	28	Executant: Weights & Measures	Russell Hotel, W.C.1
ų.	Feb.	28	Inducon Group: National Policy and Pay	
			Restructuring	Dorchester Hotel, W.1
ς.,	Mar.	1	Int. Assoc. for Students of Economics & Manage-	
le			ment: Business Education Seminar	Birmingham
٠.	Маг.	1-2	Investment & Property Studies: Design Liability	
a			in the Construction Industry	Royal Lancaster Hotel, W.2
e	Mar.	<u>-9</u>		Royal Garden Hotel, W.S.
•	Mar.	6-8		Basie
5.	Mar	6-16		Sloveh-
١.; ٠	War	6-10		(ilassow
ď!.	Nar	7-8		
a- ;	Mar	\$	Henley Centre for Foreeasting: Forecasts for the	inst. Marine Eng., E.C.3
y. ;	J1411.	0	77.1	
٩į	37			Carlion Tower Hinel, S.W.1
i . ر	Har.	12	College for the State basis of the term of a state of	21. Tothill St., S.W.1
	ми.	341	College for the Distributive Trades: Inflation:	
".			Accounting	30: Leicester Square, W.C.2
١.	mar.	1314	State of the Art: Technical Marketing Conference	Royal Garden Holei W.S.
٠:	Mar.	1:117	Kepner Tregoe: Decision Making for Senior	N. Francisco
n.			Management	Hartley Wintney
n (Mar.	14	Building Advisory Service (RAS): Arbitration of	transfer as intries.
٠				Consensately Consensate of the
	Маг	14	Anthony Skinner: The Detection and Prevention	Cavendish Conf. Centre, W.1
				ا من المعادل ا المعادل المعادل المعاد
٠.	11	,=	of Frand	Piccadilly Hotel, W.1
	чаг.	1-1	Institute of Credit Management National Conf.	Hilton Hotel, W.1
-	иar.	19	Control for Infortism Comparison: Management	
			Ratios and Interfirm Comparison	Management House, W.C.2
-	Mar	1517	Beith Shipton Developments Marine Risk	A desired and a second as a second

Mar 15-17 Keith Shipton Developments: Marine Risk Bill (Lords) and of the Northern Mar. 16 Investment & Property Studies; Corporate Credit Nar. 20-22 Resources Policy The Economics, Politics Social Implications of Resource Use Conservation

> Shipment Finance for Small & Medium Sized F:mns Management Services: Employee Participation in the Retail & Distributive

Royal Garden Hotel, W.8 Press Centre, E.C.4

89, Cannon St. E.C.4 Hyde Park Hotel, S.W.1

BY ALAN PIKE, LABOUR CORRESPONDENT

MBERS of the British Ship off a recognition decision until it iders Board will be faced in with the highly-sensitive conciliation and Arbitration Service. These discussions have building and Allied Industry Management. Association is they meet on Thursday. ecognition of the managest desconation is being resisted negly by the Confederation of behalf of the TUC general council by Mr. Len Murray, is management association is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is part of the Engineers' and the full TUC general council by Mr. Len Murray is par

Ford strike

ends after

six weeks

pute came late last week when agreement was reached on continuing hourly job rotation for heavy work in return for a guarantee of increased prodactivity.

Airports policy

at the meeting.

ROMANIAN BANK FOR FOREIGN TRADE U.S. \$53,000,000

MEDIUM TERM LOAN

To finance a payment by Mineralimportexport for development of a coal mine in the United States of America undertaken by the Island Creek Coal Company

Provided by

THE FIRST NATIONAL BANK OF CHICAGO

ANGLO ROMANIAN BANK LIMITED BANQUE EUROPÉENNE DE TOKYO BANQUE FRANCO ROUMAINE DG BANK DEUTSCHE GENOSSENSCHAFTSBANK THE FIRST NATIONAL BANK OF BOSTON INTERNATIONAL COMMERCIAL BANK LIMITED LLOYDS BANK INTERNATIONAL LIMITED MANUFACTURERS HANOVER TRUST COMPANY

> THE NIPPON CREDIT BANK. LTD. UBAF ARAB AMERICAN BANK BANQUE COMMERCIALE POUR L'EUROPE DU NORD (EUROBANK)

> > Arranged by



Agent Bank

February 1978

Offshore recruitment dispute averted

Y OUR OWN CORRESPONDENT

TENTIALLY damaging dis unions, came into conflict over A compromise solution now over offshore recruitment which one should organise semi-allows the joint council, which has agreements covering 13 semi-allows to the subersibles.

been averted between the subersibles.

sh Seafarers' Joint Council The Department of Energy and the Aberdeen-based Inter- offshore employers were consistent of Energy and the Aberdeen-based Inter- offshore employers were consistent of Energy and the Aberdeen-based Inter- offshore employers were consistent of Energy and the Aberdeen-based Inter- offshore employers were consistent of Energy and the Aberdeen-based Inter- offshore employers were consistent of Energy and the Aberdeen-based Inter- offshore employers were consistent those being used as permanent production platforms.

The only ofter exception made by the inter-union committee is the semi-submersible Stadrill, already organised by the Aberdeen office of the TGWU through the committee.

The committee will also recognized by the Royal Aeronautical Society on Wednesday.

The purpose of considering dividends and official indications of always available whether dividends concerned are Interims also and pine-laying barges. als. The sub-divisions shown below are based mainly on last

PANY MEETING

INTEREST PAYMENTS

TO-MORROW MEETINGS-

D = ... 2.21835p 1.125p

EDNESDAY, FEBRUARY 22

ley 124pcBds. Red. 22:2/78 12 lapc Bds. Red. 22/2/78

String 12 mores 12 mores no 12 15.2518
Thing Rivers 12 mpcEds. Red. 22 2 7

. 20.2018 Tunbridge Wells 12'spc8ds. Red. 22.27 £6.2618 Vecus Stone 0.884p THURSDAY, FEBRUARY 23
COMPANY MEETINGS...
Capian Profile, Winchester, House, E.C.

narrenouse, Abercom BOARD MEETINGS— Finals: slice Insulators arclays Bank er-stords ard nat Inv. Trust nower

FRIDAY, FEBRUARY 24

shine and pine-laying harges.

The right way to go about your business in winter

Fog, rain, ice, snow... Yet, throughout the winter, the regular Inter-City trains carry you to your distant business meetings at up to 125 mph.

comfort. In the restaurant if you're hungry. When it's foggy, your driver has an advanced system of signal lights shining clear to tell him what's ahead.

Smoothly and reliably. In warmth and

On ice and snow, the train follows the

right lines as surely as if it's on rails. Guess why! No train is ever diverted to an out-of-

your-way airport because of the weather. And next time you hear someone talk about Motorway Madness, remember it doesn't just mean the stupid things other

people do on motorways. It could be the decision to take the motorway in the first place. When it's the last

Inter-City

And a good trip. place you ought to be.

ITRACTS AND DERS

DON BOROUGH OF HILLINGDON **OCAL LOTTERIES**

accordance with and Amusement Acts. te tenders from persons d in operating a Lottery half of the Borough

ers should be made or uncil's Form of Tender ecutive, London Borougi ingdon. Civic Centre, e, Middlesex UB8 1UW be returned in a plain nvelope marked Tender l Lottery, not later than Tuesday, 28th February, lephone Uxbridge 50!!! 3 for cender form. Terms tance are subject to the s normal terms and con

George Hooper

a. Middx. UB8 1UW

REPUBLIC OF NIGER Ministry of Public Works Transport and Town Planning Office of Public Works and Town Planning

Equipment Division FINANCING

IDA Loan Agreement 612/NIR 2 Badea Loan Agreement June 28, 1976.

3 B.N. 1977--458-5-03. NOTICE OF INVITATION TO TENDER NO. 77/52 OF SEPTEMBER 15, 1977 SUPPLIES OF HIGHWAY MAINTEN.

CORRECTION

The remainder stays unchanged

GENERAL MOTORS **CORPORATION**

Notice to Authorised Depositaries and to owners of BEARER DEPOSITARY RECEIPTS Representing units of one twentieth of a deposited share of Common Stock

NOTICE IS HEREBY GIVEN that resulting from the Corpora-tion's Declaration of a DIVIDEND of \$1.00 (gross) per share of the Common Stock of the Corporation payable on 10th March, 1978, there will become due in respect of BEARER DEPOSITARY RECEIPTS a gross distribution of 5 cents

The Depositary will give further NOTICE of the STERLING EQUIVALENT of the net distribution per UNIT payable on and after 15th March, 1978.

CLAIM FORMS for completion by Authorised Depositaries only are now obtainable from Barclays Bank Limited (as below) and may be lodged forthwith.

THE CORPORATION'S ANNUAL REPORT FOR 1977. Authorised Depositaries are assisting in the distribution of this report to holders of Bearer Depositary Receipts. Copies may also be obtained from Barclay's Bank Limited.

Barclays Bank Limited. Securities Services Department, 54 Lombard Street, EC3P 3AH.

CITY OF HELSINKI

10% 1975/1983 UA18.000.000

Notice is hereby given to Bondholders that, during the twelve-month period ending January 30, 1978, no Bonds have been purchased.

Outstanding amount: UA 18,000,000.

The Fiscal Agent, KREDIETBANK S.A. Luxembourgeoise.

Luxembourg, February 20, 1978.

CADBURY SCHWEPPES OVERSEAS LIMITED US\$30,000,000 71 per cent. Guaranteed Bonds 1990

Notice is berchy given that Swiss Bank Corporation. 1 Acschenvorstadt, Basle CH 4002, Switzerland has been duly appointed an additional paying agent.

Cadbury Schweppes Overseas Limited

ECWORKS (1936) LIMITED (Incorporated in the Republic of South Africa)

DECLARATION OF DIVIDENDS-IS hereby given that dividends been poclared on the Oromary Promary, of per cent. Cumulative ence services of per cent. Sive Preference shares of the my as follows:

emulative Preference shares of the ompany as follows:

1) On the Ordinary and "A" Ordinary shares —an interim curvacino of 20 per cent. Idpunalent to 2.0 cents por 10 cent shared for the period 1975—10 per cent J.

1) On the 6 per cent. Cumulative Freference shares—a dividend in rispect of the half year ended 31 January 1978. of 3 per cent.

2) On the 7 per cent. Cumulative Freference shares—a dividend in respect of the half year ended 31 January 1978. of 3-per cent.

31 January 1978. of 3-per cent requiralent to 7 cents per R2 shared 1977—30 per cent.

Bividence are payable to the share-

Dividends are payable to the share-ders registered in the books of the Company at the close of business on 31 March 1978 and the cheedes in payment thereof will be posted on or about the 1 May 1978.
Dividends are payable in the currency of the Republic of South Africa, and dividends from the London office will be paid in British currency calculated at the rate of exchange ruling on the 13 April 1978.

13 April 1978.
Divisional choices despatched from the London other to persons resident in Great S-titain on Morteen Iroland will be subject to a deduction of United Kingdom income tax at rates to be arrived at after allowing for recibel in any in respect of South African taxes.

relief III any! In respect Adrican cases.

The Company will deduct the non-resident shareholders for of fifteen per cent. (15%) from all dividends payable to shareholders wrote acrosses in the share register are outside the Republic (1 South Airica. The share transfer books and share registers of the Company will be closed from 1 April 1978 to 7 April 1978, both dates inclusive.

By Order of the Board D. H. EDGE.

Weed Office:

Head O f cas

1-5 _ ... _ Road,
P.O. Box 509.
PORT ELIZABETH, 6000.
Transfer Secretaries O.see:
Republic Registrers 'Per' Limited,
10th Floor, St. Mary's Building,
85 Eloff Street, P.O. Box 1370.
JCHANNESBURG, 2000. London Trans'er Office: 6 Greencoat Place. London SW1P 1PL. ENGLAND. 17th February. 1978

JUSCO CO. LTD.

At a meeting of the Board of Directors
1.1. a above Company help on 3rd February
378. It was resclived that a free distribution of sully paid shares of common
took to sharecolcers on the resister of
farefecters as at 20th February. 1978
or make on the basis of one new share
if every ten saures then held.

The Dopositary Shares of the Company
identical by European Depositary Receipts
"EDRS"; will, subject to the full-liment
asian participate in this offstibution
hough the issue of new EDRs. One
hepositary Shares of the Condingly
to the case he issued only in multiples
to depositary shares. Accordingly
we shares representing fractions of ten
lepositary Shares will be sold and the
recreece distributed to the persons entitled
nereto. Holders of EDRs are advised that in

Depositary Shares will be sold and the proceeds distributed to the persons entitled increto. The first seek of the sold increto. The first seek of the sold increto. The sold increto increto

HEPWORTH CERAMIC HOLDINGS LTD. Notice is hereby finen that the Transler Books for the 10 4% Debenture Stock 192:197 of the above named Company will be closed from the 14th March, 1973 inclusive, for the preparation of internal Warrants.

Genetary House, Sherield \$10 3f J.

ART GALLERIES

AGNEW GALLERY, 43. Old Band St.,
W 1 01-329 8175, 105th ANNUAL
ECT. MON.-Fr. 9.30-3 30, Thurs. until 24
FCD. MON.-Fr. 9.30-3 30, Thurs. until 7
CDINAGHI'S, 12, Old Band St., W.1,
491 7408. A Loan Exhibition of Works
by SESASTIANO RICCI in
ad of the UDINE ART RESTORATION
FUND. Until 8 Mirch, Mon.-Fr. 9 30-6
Sat. 10-1. Sat. 10-1.
FOR GALLERIES, Evhibition of the pentings of Stringsh and European Artists from 1703-1933, 5-6. Cerk Street, Lenden, W.I. Tel 01-734, 2625, Week-Gard 10-6, Sats, 10-1. WATERCOLURS ON THE MALL Reyal fostitute's 166th Annual Exhba. Mail Art Gallerles. The Mall. S.W.1 Daily inc Sundays 10-5. Until 2 March, Aam. 20p.

CLUBS

EVE, 189, Regent Street, 734 5675. A la Carte or All-in Menu. Three Sociacular Floor Shows 10.45, 12.45 and 1.45 and music of Johnny Hawkesworth & Friends. GARGOYLE, 69. Doan Street London, W.1.
NEW STRIPTEASE FLOOR SHOW
THE GREAT BRITISH STRIP
Show at Madnight also 1 a m
Mon.-Fri, Closed Saturdays, 01-437 6455

BUILDERS INVESTMENT GROUP Notice to Warrant Holders

Strathelyde.

Upgrading

SIR Robert McAlpine and Sons

£1½m. homes

TRADITIONAL brick construc-

tion is to be used throughout in the 136 dwellings worth £1,252,000

which M. J. Shanley (Contract-

ing) is to erect under contract to

The Rupert Estate, North, is

include two and three-storey

units providing 20 two-person.

one-bedroom flats for the elderly:

26 three-person two-bedroom

flats; 37 two storey, four-person,

two-bedroom flats; 46 two-storey

five-person three-bedroom units

and seven three-storey seven-

person four-bedroom units.

Conversion

by Costain

MIDDLESEX Polytechnic is hav-

ing part of a warehouse converted to educational use by Costain

Construction in a job which entails a great deal of alteration work, including the installation

of a new concrete mezzanine slab with columns and foundations through the existing floor.

For Coventry Climax at War-

complete a large single-storey building with concrete founda-

tions on ground stabilised by the vibro flotation method.

The two awards together come to around fim.

LATEST orders received by

include electrical services for

GEC Mechanical Handling at coa!

preparation plant extensions at Rawdon Colliery in South Wales

(£406.000) and mechanical

services in connection with air

conditioning at Hertford House, London, which houses the

House will remain open while the work, costing \$275,000, goes

Two other orders are

Manchester (£53,000).

Wallace Collection. Hertford

nechanical services for the

Engineering

House

Crown

House

orders

Crown

ahead.

site and the homes will

planned for

Leicester

Leicester City Council.

an office

block

Notice to Warrant Holders
Etuctore January 27, 1978. First
Pennsylvania Bank, N.A., P.O. Box
8070. Philadelphia. Pennsylvania.
19101. U.S.A. will be successor
'Varrant Agent for the warrants issued
by Builders Investment Group evidencing the right to purchase its common
shares of beneficial interest prior to
December 8, 1986. Warrants for
exercise or transfer may be delivered
to the bank in Philadelphia or to its
Agent. Manufacturers Hanover Trust
Company. Stock Transfer Department,
4 New York Piaza. New York, New
York 10015. CHARLES E. DELONG

74% TREASURY LOAN 2012/15 74% TREASURY LOAN 1985.88

BONDS TO BEARER
The Bank of England give noti
new COUPON sheets for the
mentiones Loans will be availa
or after 28th March 1978 in efor TALONS. Listing forms or after 28th March 1578 in exchange for TALONS. Listing terms for talons are available from the Chief Accountant's Office 18ank Buildings). Bank of England. 2 Bank Buildings. Princes Street. London EC2R 5EU, and talons should be presented there for exchange by Authorised Depositaries on behalf of the holders, from the 21st March 1978. Talons should not be sent through the post.

Authorised Depositaries are listed in the Eank of England's Notice EC1 and include most banks and rectbrokers and solicitors oractising in the United Kingform, the Channel Islands or the Isle of Man.

RHONE POULENC 7.50°,1972-1987 Loam of FF 10000000000

SOCIETE GENERALE
ALSACIENNE DE BANQUE
15. Avenue Emile Reuter.
LUXEMBOURG.

HOME BREWERY COMPANY LIMITED CUMULATIVE PREFERENCE SHARES NOTICE IS MEREBY GIVEN that the francier Broks of the above Company will be closed from 20th March 1978 to the 31st March 1978 both days inclusive; a coder that the dividend warrans may be prepared for the half-year ending 31st March 1978.

By Order of the Board.

The Brewery.

NotLegham NGS 68U. 17th February, 1978.

APPEALS

HELP SAYE OUR EX-SERVICEMEN FROM FURTHER SUFFERING Wars right up upul Northern ireland today mean that hundreds of thousands of war victims still exist. Ex-servicemen, widows. orphans desperately need homes, jobs. food, fuel and other essentials. Please send donations to: The Reyal British Legion Benevolent Fund, Maidstone, Kent, MEZD 7NX

HOME AND GARDEN

1978 SEED AND SEED POTATO des-criptive catalogue now available. Sent on request. Postage 7p. R. V. ROGER LTD.. The Nurseries. Pickering, North Yorkshire. YOLS 7HG

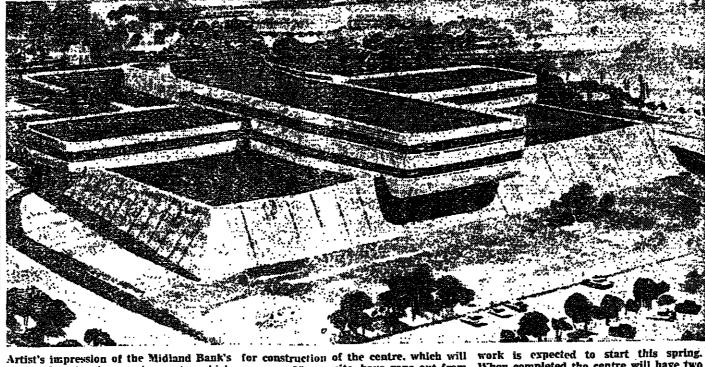
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10, Cannon Street, EC4P 4BY



Tankersley, near Barnsley, Yorks. Tenders the site preparation contract on which in about two years time.

proposed national computer centre which occupy a 10-acre site, have gone out from When completed the centre will have two is to be constructed in Wentworth Indus- would-be main contractors and in the completely independent computer suites, trial Park (a Henry Boot development) at meantime Henry Boot is negotiating for It is expected to become fully operational

£3m. shops

and offices

£4m housing University complex for Rush & to cost over £40m.

RUSH and Tompkins is to start TLEMCEN (an historic city in to talk about a total construction work soon on a £3.1m. contract western Algeria. has been cost, But it is thought to be at for the construction of 169 chosen as the site of a major dwellings in nine low rise blocks now university centre.

The site adjoins St. Group, have been chosen by in-house practice, AG Sheppard Pancras Station and the work Algeria's Ministry, of Higher Fidler and Associates, in collawill involve construction of tesign the university complex sultants Shepheard Epstein and salpervise the construction of retaining walls and operations on railway arches.

At Exeter, Devon, the company has started on a £700,000 contract. Plans call for a surveyors.

At Exeter, Devon, the company has started on a £700,000 contract for 60 lats for the Ragian has been cost. But it is thought to be at pointing department store in the U.K. refit of the existing "2007" shop in the activities of a major of the king's Road for the London Borough of Consultants, the W.S. Atkins carried out by the Atkins Group's is to be redeveloped by Trollope's to b contracts. Plans call for a surveyors.

be built. Two 3-storey blocks university to meet the needs of Atkins is already working on will be constructed and joined at 8.000 students, with associated another major university project all floor levels by a link block, halls of residence.

in the Arab world—providing which will house the main stair-At Exeter, Devon, the company has started on a £700,000 contract for 60 tlats for the Ragian

Housing Association, while up in the north it has gained a £275,000 After the design and tender civil and structural consultancy cases and other general facilities stages, it is anticipated that con-struction will begin in 1981. University of Riyadh, Saudi a mansard roof. The whole com-lt is, of course, very early days Arabia. Such a mansard roof reinforced conaward from the Cunningham District Council for the modern-isation of 100 houses at Irvine,

Industrial buildings

OVER £21m. worth of industrial for Rolls-Royce Industrial and Duilding contracts have been Marine Division is to be built, Priced Out awarded to Wincott Galliford. Worth £0.6m.

The two largest are in the Mid-Other major contracts, each of the

nas been awarded a £3m. con- coventry a two-storey office block Rugby. tract to modernise an office block in Wigmore Street, London, W.1.

The two largest are in the Midlands.

At Garretts Green, Birmingham, the company is to extend Harding's Bakery for R. H. M.

Other major contracts, each of the worth over £0.3m., are a warehouse at Aylesbury for Galli ord Brindley Properties, and a warehouse at Aylesbury for Galli ord Brindley Properties, and a warehouse at Aylesbury for Galli ord Brindley Properties, and a warehouse for the worth over £0.3m. Harding's Bakery for R. H. M. Brindley Properties, and a ware-Bakeries, under a contract worth house for Livingston Allpak III American for a near £0.6m., while at Ansty. (U.K.) at Watford Gap, near CONTRACTS worth £3m. for a

Completion is planned for late 1979. Installation of passenger Wears' £2791. job in Dover

Docks. By this means and the use of sand fill dredged from the Goodwin Sonds some 45,000 port in Dover's Western Docks. The contract for a new hover-anodised aluminium extrusions.

electrical and alarm systems and a total refurbishing of the 110 sawarded a 12.7m. contract by will be reclaimed.

Solver Harbour Board for the A total of 390,000 cubic metres of match Continental offers so far provision of a new imported of sand and ballast fill will be placed during the contract, over supplied to the Successful Gerband and Partners.

British companies competing says P.E. were apparently unable to match Continental offers so far to match Continental offers so far provision of a new imported of sand and ballast fill will be placed during the contract, over supplied to the successful Gerband and Partners.

The work scheduled to last 74 3.000 tonnes of steel sheet piling man and Italian tenderers.

This new plant is to be a major

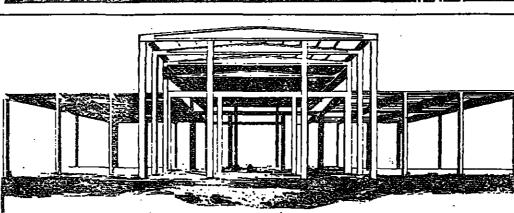
crete construction. Architects are The Golling Melvin Ward Partnership.

plant to be operated by the Arab Aluminium Company of Jordan, designed by the P-E Consulting Group, are going to German and

Italian contractors.

double-walled, ballast-filled sheet silt dredged. About 40,000 square This new plant is to be a major pile cofferdam in the Eastern metres of interlocking concrete expansion to the aluminium





The sinews of industry

Industry needs its buildings quickly and cheaply. It also wants them maintenance free and fire resistant. Crendon structures offer all this and more. They are engineered to be adaptable and capable of almost any elevational treatment. This way Crendon structures fit the architects plans as well as the customers needs for factories, warehouses and offices. The Crendon 40 frame for example, a thoroughly flexible system allowing almost any combination of span sizes and roof levels to be achieved in a single structure. An important

consideration where, as is frequently the case, factory or warehouse and sav a two storey office block are to be combined. Our technical leaflet explains some of the structural variations and the design freedom which the Crendon system can always provide.

RENDON



Crondon Concrete Ca.Ltd. Thamo Rd., Long Crendon, Aylesbury, Bucks. HP18 988. Tel: Long Crendon 208481 -Vertnern/Rawcliffe Rd Goole N. Humbersidu Tel. Goole 4201 (Scotland) Shorts, Lanark shire ML7 SBP Tel Shorts 20261.



£ $3\frac{1}{2}$ m. work in Canada

The Toronto office of George Wimpey Canada has announced contracts totalling more than 23.5m. for work in Ontario and Alberta.

The largest of these, worth over £1.25m. is for office buildings for Bramalea in Bramalea city centre, Ontario. Also in (Caribbean) has been awarded on the company has won a £500,000 contract for the conact acoutract for roads and services struction of an office building at Milton for Headsborough Investments Inc. at a value of Scott.

World leaders in steel framed industrial buildings Conder International Ltd Winchester Tel: (0962) 88222

sewers, drains and water supply for a housing development for Beaumaris Developments in Edit

monton, Alberta. in Trinidad George Wimpey

vestments Inc. at a value of Scott.

This contract is for a twolin West Edmonton, Alberta, storey building of about 24,000;
the Alberta Housing Corporation square feet with a structural;
has awarded a £830,000 contract steel frame and precast concrete for a 60-unit community housing project while the remaining conpared the first project while the remaining contract, valued at £400,000 is for lespie and Steel Associates.

£1½m. for Land & Marine

CONTRACTS worth nearly £14m. ciation of Liverpool. This it have been awarded to Land and valued at £520,000.

Marine Construction of Mersey. Other contracts include the

for the Maritime Housing Asso- Port).

Marine Construction of Merseyside, a member of the Bos Kalis building of single-storey factory.

Westminster Group.

Among the larger jobs is the construction of 60 two-bedroom fats in five three-storey blocks

Marine Construction of Merseyside, College Construction of the Bos Kalis building of single-storey factory pairs (City of Liverpool), sheef, piling (Vosper Thorneycroft, portsmouth), yacht haven respectively fatter than the store blocks.

Refits for shops

THE shopfitting division of L.E. Group offices in Fenchurch Wiltshier and Co. has won orders Street London (£200,000) for

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EANT & MACHINERY

Description Telephone

8 BLOCK (400 mm) IN LINE, NONSLIP WIRE DRAWING MACHINE in excellent condition 0/2000it/min variable speed 10-hp per block

24" DIAMETER HORIZONTAL BULL BLOCK By Farmer Norton (1972).
RUIARY SWAGING MACHINE by Farmer Norton (1972).

SLITTING LINE 500 mm x 3 mm x 3 ton capacity.
TWO VARIABLE SPEED FOUR HIGH ROLLING MiLLS Ex.6.50" wide razor blade strip production.
MODERN USED ROLLING MILLS, wire rod

and tube drawing plant-coll forming machine slitting-flattening and cut-to-length lines-1974-FULLY AUTOMATED GOLD SAW by Noble & Lund with batch control.

1970 CUT-TO-LENGTH LINE max. capacity 1000 mm 2 mm x 7 tonne coil fully overhauled and in excellent condition.

1965 TREBLE DRAFT GRAVITY WIRE DRAWING machine by Farmer Norton 27"-29"-31" diameter drawblocks STRIP FLATTEN AND CUT-TO-LENGTH LINE

by A.R.M. Max capacity 750 mm x 3 mm 9 BLOCK WIREDRAWING MACHINE and 1000 lb spooler—non-slip cumulative type with double ciered 22"dia. x 25 hp draw blocks.

2 15 DIE MS4 WIRE DRAWING MACHINES 5.000Ft./Min. with spoolers by Marshall Richard

3 CWT MASSEY FORGING HAMMER —pneumatic single blow 9 ROLL FLATTENING MACHINE 1,700 mm wide.
7 ROLL FLATTENING MACHINE

965 mm wide, COLES MOBILE YARD-CRANE 6-ton capacity lattice jib.
RWF TWO STAND WIRE FLATTENING AND STRIP ROLLING LINE, 10" x 8" rolls x 75 HP per roll stand. Complete with edging rolls. turks head flaking and fixed recoiler, air gauging, etc. Variable line speed 0/750fc./min.

and 0/1500ft./min.
JARROW STRIP STRAIGHTENING AND CUT-TO-LENGTH MACHINE (1973) by Thompson and Munroe
YODER ROLL FORMING MACHINE, 30" width, 7-stand, Excellenc.

DRUMMOND MAXIMINOR MULTI TOOL LATHE.
Auto cycle, 12" dia x 18". RECONDITIONED.
BOLEY PRECISION CENTRE LATHE. 10" dia x 24". 28-3550 rpm: EXCELLENT, IORIZONTAL BORER 80 mm PEGARD. Table 49" x 33", facing head 33". Optics, HERBERT 8 PRE-OPTIVE TURRET LATHE 20" dia x 56", 13-1000 rpm. REBUILT. CINCINNATI No.3 HORIZONTAL MEL. Table 68" x 15", 16-1600 rpm, REBUILT. 54" Dia. COLD SAW, NOBLE & LUND.

Max capacity 40" x 18". EXCELLENT. AUTOMATED TURRET DRILL-HERBERT 6 station, 2 M.T., Plugboard control, Co-ordinate table. New 1974. Almost new.
BUSCH AUTOMATIC KEYWAY MILLER Automatic cycle. Hydraulic, EXCELLENT.
INTERNAL GRINDER—JUNG C8. RECONDITIONED.

BLANCHARD No. 11 GRINDER, Mag. table 17" dia. REBUILT. Very accurate.

4ACHINING CENTRE Capacity 5ft. x 4ft. x 3ft. 5 Axes, continuous path. 51 automatic tool changes, 5 tons main table load. Main motor 27 hp. Had less than one year's use and in. almost new condition. For sale at one third ACME GRIDLEY (BSA) 6 SPINDLE AUTOMATIC

2%" rebuilt and not used since. Will turn and index to maker's limits. WICKMAN 3} SINGLE SPINDLE AUTOMATIC. Extensive equipment, EXCELLENT CONDITION WICKMAN 21" 6SP AUTOMATICS 1961 and 1963. EXCELLENT CONDITION:
VICKERS 200 TON POWER PRESS. Bed 40" x 36". Stroke 8". NEW COND.

200 YON PRESS BRAKE 8' x 1" by Sedgewick. Air brake, air clutch, light gauge. EXCELLENT CONDITION. HME 78 TONS PRESS DCP3. Bed 36" x 34". stroke 6" EXCELLENT. COLD HEADERS BY NATIONAL

1" and 1" DSSD. EXCELLENT.
LUMSDEN VERT. SPINDLE GRINDER. Mag chuck 60" x 18". Model 71LE. Reconditioned LUMSDEN VERT. SPINDLE GRINDER. 91MLT. Retractable Table 36" dia. FXCFLLENE. INCINNATI CENTRELESS GRINDERS. Sizes 2 and 5 EXCELLENT. HEY No. 3 FACING & CENTREING.

Between centres 35%, reconditioned.

MODERN USED ROLLING MILLS, wire rod and tube drawing plant-roll forming machinesslitting—flattening and cut-to-length lines cold saws—presses—guillotines, etc.

WANTED

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THE AVERAGE DRIVER DOES 10,000 MILES AYEAR. THE AVERAGE VOLVO DRIVER DOES 16,000. COULD THIS HAVE SOMETHING TO DO WITH IT?

Volvo have always been ready to support the morbist Right of the back Where it counts.

When we designed our seats we worked with doctor who measured the activity of the spinal muscles. This helped us make the lirst driving seat with really effective lumbar support.

But being Volvo we couldn't just sit back and relax So for 1978 were introducing an even better seat.

It's more contoured and wrap-around with a longer cushion that raised to give better support to the legs.

We've improved the cushioning and made the head restraints 50% softer. We've even refined the lumbar support control.

The way we look at it is this the more heart-ache we have, the less back-ache you have.

ITS GETTING BETTER ALL THE TIME

Warns of imminent turbulence

This atmospheric phenomenon aircraft. has been a problem since the The two organisations hope beginning of the jet age. These that the flights will lead to denaturally-occurring tempestuous velopment of a low-cost system jury to passengers. It is because signal in the flight deck from of the possibility of CAT, as it is four to 15 minutes in advance of

seconds. A redesigned jackbox plotted from your house has reduced rear overhangy by \$\frac{8}{3}\$ and the strengthened lacks are mounted at angle of the firm has reduced the mounted at majes of the firm has reduced the mounted at majes of the firm has a mounted at majes of the majes of the firm has a mounted at majes of the strength of the above has a work for scale of the above has a majes of the firm has a maje of the majes of the majes of the majes of the firm has a majes of the majes of the firm has a maje of the majes of the majes of the majes of the majes of the ma

Administration in California and the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the National Oceanic and Atmoss substances are needed in the Oceanic and Atmoss substances with power of the U.K. is by Ocae of a motorbike which controlled laser system which although similar in size have a variety of winding specifications.

The circuit generates at the Oceanic and Atmoss substances with power of a motorbike which controlled laser system which although similar in size have a variety of winding and specifications.

The circuit generates at the Oceanic and Atmoss substances with power of a motorbike which controlled laser system which bombards substances with power for it is actually and causes and causes are not the oceanic and Atmoss substances with power oceanic and Atmoss substance

of the possibility of CAT, as it is known, that passengers are advised when in flight to keep their safety-helts fastened.

Because CAT cannot be seen, there has long been a need for a simple instrument to detect it in advance. The device now to be tested uses an infra-red water

Because CAT cannot be seen, there has long been a need for a simple instrument to detect it in advance. The device now to be tested uses an infra-red water

Games on a chip

ture started in 1976, General stances where purity is the major microprocessor educator of the major microprocessor educator. This includes highly pushbutton. The machine is said to be suitable for small or with a game chip that allows ture of electronic circuits.

SCIENTISTS from the Ames Revapour radiometer to measure with a game chip that allows ture of electronic circuits.

Instrument Microelectronics has factor. This includes highly pushbutton. The machine is said to be suitable for small or medium size batches, as well as for coils which although similar in the atmosphere, Early experitional Aeronautics and Space in the atmosphere, Early experitional Aeronautics and Space in the atmosphere, Early experitional Aeronautics and Space in the atmosphere, Early experitions.

nativally-occurring tempestions verified in any sir currents can add unexpected which can be installed in any strategy and games of chance. level of less than one part per cost industrial cavitation aeta-bumps—sometimes exceptionally aircraft. It would operate unserver—to an aircraft's smooth attended and require minimum passage, even though the sky is maintenance. If it is found feasured Ay-3-3760A and is suitable ible, it will produce a visual for both colour and monochrome including shooting, games of extracted from a compound to a in the tanning industry, low strategy and games of chance. level of less than one part per cost industrial cavitation aeta-level of less than one part per cost i for both colour and monochrome

Light helps refine materials

THE LASER is taking over from piece in the round axial tags.

the Bunsen burner in the round axial tags.

the Bunsen burner in the round axial tags.

the Bunsen burner in the round axial tags.

EIKELY to become a round, chemical laboratories of the All specifications can be preper hour.

Details from Rizzi (U.K.), part industry by 1980, telecommunications is to be the subject of a REVEALING that it has now pro- University of Illinois. It is a set such as pitch, winding width,

hard switch to select the number of obstacles per track.

The company says it has tuned to its own wavelength: in
further games in the pipeline, this way impurities can be FOLLOWING successful trials
including shooting, games of extracted from a compound to a in the tanning industry, low
strategy and games of chance. level of less than one part per cost industrial cavitation agranged pagings of extracted million with very hig sayings in the cavitance of the c

More from 1 Warwick Street, Pre-set coil London W1R 5WB (01-439 1891).

THE LASER is taking over from plied if the wire has to be wound the makers. Running costs are Amsterdam

produced over 15m. of its first move which will have important position of tags for wrapping, of Barrow and Hepburn Machingeneration of television game industrial implications in the winding speed, number of turns, ery, 388, Meanwood Road, Leeds in 1976, General stances where purity is the major microprocessor either by tape or Instrument Microelectronics has factor. This includes highly nuchbursan Thampaching in the middle of the program feet to the Anisterdam organised by Arthur D. Little, includes highly nuchbursan Thampaching in the major microprocessor either by tape or instrument Microelectronics has factor. This includes highly nuchbursan Thampaching in the middle of the product of the product of the middle of the product of the

which could help small matter facturing companies minimise their water authority sewerage charges by improving the stan-dard of liquid effluent discharged into sewers and streams.

WINGING
USING SIMPLE tooling, and consolution into sewers and streams.

Costing from £800 to £850 according to size, the lightweight, easy to instal units are available in 1, 11 and 2 metre lengths there has long been a need for civil aviation—and also military a simple instrument to detect it operations—by giving pilots in advance. The device now to enough warming of imminist of imminist of imminist operations—by turbulence. MICHAEL DONNS

PHANDLING

HIPPOVED Skip loader

Feaction is

Improved skip loader

Francting Tibles with an ad paying of \$8.8 ions and a paying weeklass of \$2.00 pm. load of \$2.02 lons are 35 seconds. A state of \$2.00 pm. load of \$2.02 lons are 35 seconds. A load of \$2.02 lons are 35 seconds. A load of \$2.02 lons are 35 seconds. A load of the Edbro skip loader grows turcks.

A fast lift-off valve permits operating and some placed and the streether of the bulances. The balances is the balances. The balances is the balance in the microprocessor. Visual and the streether motor turbulence. There are also at the load of a load of a

Formulation

recipes by weight have to be made up.

Known as Unit 3 the device is fibre optics data link designed glass of plastic.

Known as Unit 3 the device is fibre optics data link designed glass of plastic.

For use in digital data computer Dr. Raiph E. Simon, division intended for use in conjunction with up to three Mettler electronic balances which are cable-tronic balances which are cable-connected. The device has a keyboard, small display screen, printer and indicator lights.

The operator keys in batch mission of light waves from one that sales for this segment of number, material reference number and target weights he weight flexible cables consisting annually. wishes to achieve. He then dispenses material into the pans of the balances to tolerances pre-programmed into

Houses Forte. EMI and Holiday teft-right and up-down directions, pressure jets.

e COMMUNICATION Telecoms in

It will focus on the major com- member of Philips, and Dieter petitive issues and market oppor- Von Sanden, managing director

Norgrens

tunities in the industrialised of Siemens telecommunication

to • CONFERENCES

Pressure jets.

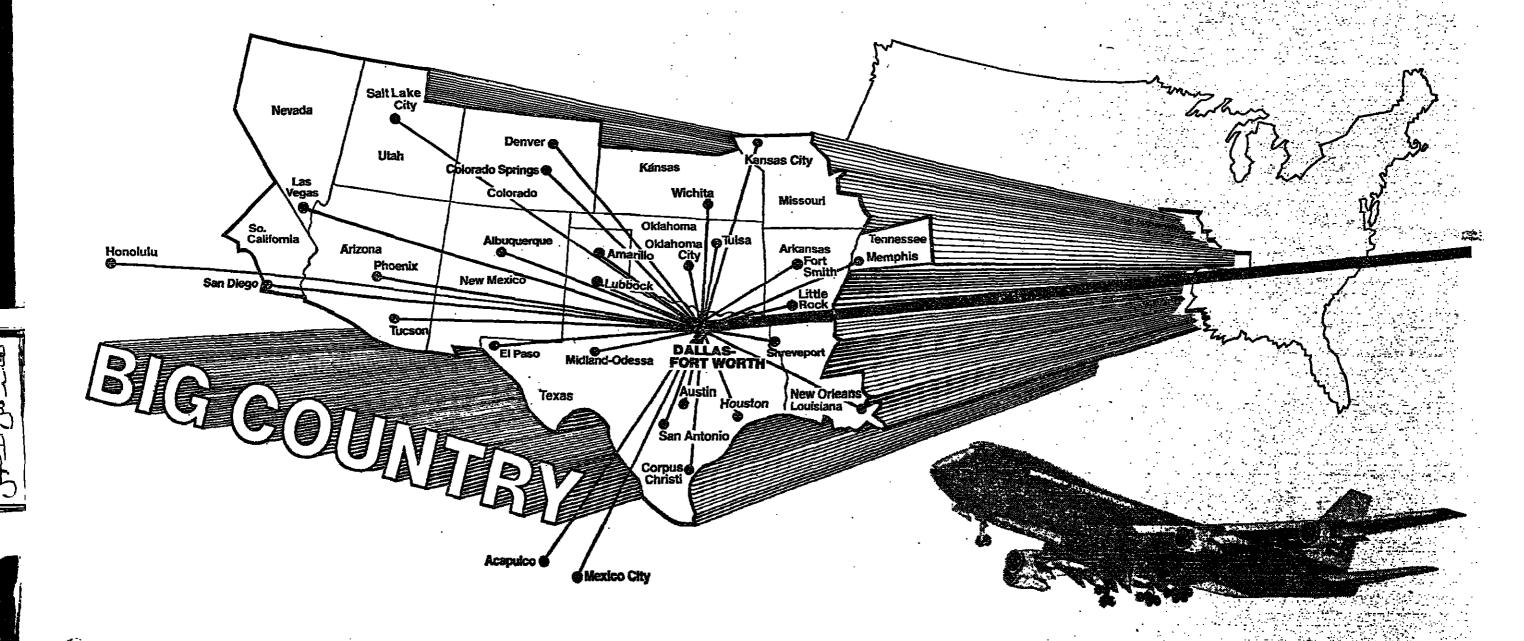
Hydrotransport

The fifth international con-material/hour can be carried, for

In March 1st, a new Gateway opens up to America's Big Country.

'S BIG ORA

LEAVES 11:45A.M.



The second secon

idn

ch behaviour may be de Out of its near-300,000 em-ir in Japan, but in the U.S. ployees round the world,

TRE IS a story that has been an unusual degree," says Proing around U.S. manage fessor Leonard Sales of it circles for many years: Columbia University Graduate at certain hallowed School of Business, who has ents the middle and senior close contacts with the comutives of IBM, dressed in pany. "Their massive commite button-down shirts; dark ment to management education an short hair, sing special gives them a common culture and consistency of operations."

insidered deviant. Rumour of them in the U.S., IBM classes ier has it that the company 35,000 of them as "managers," s were written by one of of whom 20,000 are in the U.S. founding Watson clan, and Unlike many other companies their themes urge the IBM does not define a "man-Whether the story is of his work, but according to Connecticut.

he point. For in a crude, responsibility for a wide range the U.S. are structured as fol- placed on the U.S. equal oppora large, disparate corpora- the supervision of people; their management ranks - whether rights; on the technicalities of IBM to-day this corporate formance plan for each of them, intake training within 50 days, thous sains. Farticipants are all acculturation, the pro- administering their salaries and At middle management level, also told about the latest legistral acculturation, the pro- average and ad- school covers three periods of a lation affecting handicapped

ually done largely through it is a stated company object der there are no rewell than it is a stated company object der there are no rewell than organisational changes. company calls these managers should have at addition to an external training agement development." Itees managers should have at the state of the s s term is one of the agement training every year- two dozen outside sources, such rement textbooks, but in tion, communication and "in-Management, or the Aspen In-have approached IBM to en-cruit must embrace. ase, as in most big U.S. teraction —quite apart from stitute for Humanistic Studies, quire about its management IBM sees it as an indication staff; Some are needed to pro- tions about his concept of his her manager is going to deteriorations, it is taken to cover any training in skills such as

As the executive moves up training methods. "People of its inherent strength, that vide continuity, and to enhance job, his manager, the company, rate. We've proven that with

which theoretically con- ming or whatever. training conscious, to space. Up to now it has used a moving from the ranks of the mentals."

Creating a common culture at IBM

BY JOHN THACKRAY

e pursuit of excellence and level, or the intellectual content locations in New York and of the managers.

ation and maintenance of overall "compensation," and ad-school covers three periods of a lation affecting handicapped dattitudes and procedures, vising them on their career, week each. Higher up the lad-workers, pension and safety ually done largely through. It is a stated company object der there are no fewer than rules and about the effect of

man wide range of accommodation, managed — salesmen, clerical rtives onward and upward ager" according to his salary some of it rented at scattered workers and others-to those man with broad shoulders and

Methods

Ed Kreig is a medium-sized rimless glasses who talks in a The course has a strong prac-slow, deliberate drawl. He likes true, or ever has been, is whether his or her job includes IBM's educational courses in tical edge. Heavy emphasis is words like "fundamentals," and he point. For in a crude, responsibility for a wide range the U.S. are structured as followed on the U.S. equal opport he sees IBM as the creation of yphal way it underlines of functions concerned with lows. All new recruits to its tunity laws and other employee traditions in management which have been modified but never needs to weld its top people biring and firing, the formula- from within the company or merit pay; and the development corrupted since the tabernacles tion and evaluation of a per-outside—must attend a week's of a wide range of communication were laid down by the founder, formance plan for each of them, intake training within 30 days, tions skills. Participants are were laid down by the founder, pany widely reputed on the out- in Cleveland. Promotion-from- has a role to play as teacher.

at superiors to their ing five structures on a campus- as the course of civilisation it. "After we tell them about our certain amount of universality a two-year stint in the manage- for the results of management phasis is on the fundamentals appropriate job like area on its headquarters self. But the most valuable 'nuts and bolts' approach to to it. The concept of the merit ment development sector. At the education. Thus if the surveys there, we've sometimes seen a on and job assignments: property at Armonk, New York, stage of training from the com- emphasising basics, they are system of pay and promotion higher reaches of the training showed that IBM brass were watering down of them. And mance evaluations; and which will be used for nothing pany's standpoint is that first surprised that's all we do. We exists in Europe essentially as process the working manager's viewed as better at manipulat- what happens then? We say: the subject of this article else except management educa- week of indoctrination for the don't do a lot of esoteric train- it does in Akron, Ohio. The role as pedagogue will be just ing skills than managing people, 'Back to fundamentals.' It works. agement education. "IBM tion—all 183,200 square feet of toilers who have succeeded in ing. We believe in plain funda- employee-manager relationship for a week or two at a time, the whole educational, structure It's historic. It's irrefutably cor-

side to be a very conformist within, another basic tenet, is as. How does IBM know that its legislated environment. institution—the "no alcohol" important in IBM Germany as approach is the best? It goes. Yet these more refined inrule on company premises be it is in Belgium. We believe this to considerable trouble to gredients are not the substance ing only the most obvious illus- universality would be com- evaluate the programmes, using of the programme, according to tration—Ed Kreig will oddly promised if we departed from one of the company's favourite Krieg, "If you depart from the talk at length about IBM's "re- our-internal training." tools—the opinion survey. Ap- fundamentals of respect for the spect for the individual "; this In keeping with the "nuts proximately every two years, individual and equal opportunity of the individual in the merit system and st and most over-used in covering such issues as motiva as the MIT Sloan School of Many large U.S. corporations that the new management re- agement education, IBM has a chance to state anonymously good communication skills, the is one of the "fundamentals" and bolts approach to its man- each IBM worker is given a tunity, the merit system, and

il inter-related procedures, accounting, marketing, program- wards, the content of the educa- from other organisations ask us most of its training is done in- the lecturers' skills: the com- his future. the individual's As if to show how seriously sis moving from the specific to grammes," says Edward F. big corporations, largely on the educating to be done by IBM formulating the kind of man- the morale factor contributing e to the individual's As if to show how seriously sis moving from the specime to grammica, says contained and growth. These in- it takes its educational mission, the more general, and, finally, Kreig, the company's director of outside.

| Ine managers, Lecturers on the agement education that takes to a usp, and we regard to the employed by many the company is currently build-touching on such cosmic issues management development. "We are a company with a intake courses will be assigned place, as well as giving a feel and asked how much of the employed for the results of management phasis is on the fundamentals."

tools-the opinion survey. Ap- fundamentals of respect for the

is as important in Israel as it is Here even the chief executive would be promptly revamped. rect."

In addition to this samples of the attendees at these courses are surveyed in person six months after, and their evaluations collated and used to amend the curriculum. As Ed Krieg says. "We make something of a fetish of communication."

By the time the executive reaches middle management he will be well on the way to absorbing the corporate culture. Yet at this time in his course, the culture and basic skills by themselves begin to be inadequate for grappling with many aspects of the world outside. So this group is taught such things as decision making in an illstructured environment-one of the more sophisticated IBM offerings. And at senior management levels, civil rights leaders will talk about class and race in America: or an academic on how to do busness in a highly

our employee opinion surveys.



EXECUTIVE HEALTH BY DR. DAVID CARRICK



useful as a pocketful of pills or nological terminology; or, I man's last few days. useful as a pocketful of pills or nological terminology; or, I man's last few days.

ficial veins in the legs or arms who was upset and insulted beautiful. Doctor," who was upset and insulted beautiful. Doctor," who was upset and insulted beautiful. Doctor," he beamed, "please write it

when the invaluable honorary in his own bleak conceit.

Too often—perhaps because an M.C. in World War One..stop. is not present. morning I went to a casualty viole the doctor has more patients and then had gained an M.D. Sometimes a patient is told The patient with a sore department and the doctor tells bag.

impersonal investigations, is as attitude, all of which can cause may, by a solemn shake of his importance.

he has a "heart murmur." If throat whose adjacent lymph me 'You've got a common it is not explained that benign nodes (commonly called cold!" Surprised, I said: "So murmurs greatly outnumber "glands") are enlarged, can what?" He dismissed my those of significance, then one have sinister thoughts. There is query hotly, adding: "I am of may expect even the boldest no need, because these nodes great importance; how then patient to develop cardiophobia, are draining the infected area could I have a common cold?" THE UNDERSTANDING physi- than time—a patient may be He lay in a bed above which Again, the word "thrombosis" and battling with the organisms. I saw the problem and, for cian is, alas, becoming a frightened badly by some were the words: H. R. Forbes, is terrifying because the patient Without being told this, his once employed medical jargon, stranger from the past. With not-hurried, careless comment: then aged 85," which piece of beastly usually thinks only of the sinister thoughts may increase "Supposing we called it and the comment of the problem." able exceptions, the "bedside there is the one who examines bureaucracy distressed me and dreaded "coronary thrombosis," alarmingly. manner," which may be just as in grim silence, or talks in tech- brought melancholy to the old whereas thrombosis of super-

the ignorant sufferer to be much head, a few "tut tuts" and a Now I saw a very worried notes as an "elderly primipira." I refused and told him he must The introduction of the NHS affrighted and further convinced "humph" or two create dread-man recently who had been Being but 31 she was much learn it by heart, and he ful anxiety in the apprehensive. examined for assurance pur-aggrieved. It is a had term but marched happily away repeatphysicians and surgeons ceased Examples are so numerous Technical language, without exposes (upon which a mortgage merely means that a woman ing: "Afebrile coryza..." Then to be, began the slide. The that I can cite a mere handful, planation, can likewise be performed and surgeons ceased to a surgeon of modified students on Table collection of modified students on Table collection of modified students on Table collections. The collection of modified students on Table collection of modified students on Table collections. selection of medical students on Take callousness. I know noth culiarly pernicious. Of the depended) and had been care, the grounds of technological mg worse than placing a large numerous examples. I choose a lessly told that he had "sugar baby.

The grounds of technological mg worse than placing a large numerous examples. I choose a lessly told that he had "sugar baby. meritocracy. chosen only card above the bed of an aged few of the more dangerous in the urine" and so had because of their high "A" level person giving the name and age samples. If a patient is told diabetes mellitus. In fact, he scores, hastened the process: -a desperate revelation to that he "is in heart failure," had diabetes innocens because standing. The patient was a does not possess a perfect grasp and the regrettable tendency to elderly females in particular, that is as sweet as the sound his kidneys had a lower than fine-looking immigrant. He was of a language, may feel that he ape American computerised Recently I visited an old doc of a funeral bell to him. What is usual threshold and simply much fussed about something is being insulted and, as racial medicine certainly has not tor in hospital. A doctor of fame, meant is that the heart is failing leaked sugar. In the absence until I asked, bluntly: "Just relationships are somewhat reduced the angle of the fatal both for his medical skills and to do it's job efficiently: it does of excess sugar in the blood, as what is bugging you?" gallantry, who had been awarded not mean that it is about to with this man, diabetes mellitus "Well," he burst out, "This fully as a cat lest it jumps

cause she was described on the down, it sounds very cultural!"

afebrile coryza of idiopathic

that last piece? That I really

delicate, one must tread as caremorning I went to a casualty violently out of a smouldering

AS, NON-STUP. DAILY FROM LONDON.

RIVES 3:05 P.M.

March 1st is the day of the inaugural flight of the very first Non-stop jet service from London to Dallas-Fort Worth, Texas. The Braniff International flight (painted a distinctive bright orange) will be the only daily 747 Non-stop to thwestern USA, providing the fastest routing for passengers and cargo from ain to many cities in the Southwest, West, South and Mid-America-and to

From Arizona's Grand Canyon to New Orleans, from Colorado's majestic mtains to the sprawling ranches and Space centres of Texas, from the great elds of Oklahoma to the rolling deserts of Nevada and New Mexico. To 3,000 s of California beaches. To the tropical splendors of Hawaii. To the ancient teries of Mexico and the glamour of Acapulco. To dozens of dynamic cities. s is Big Country. And from March 1st, Braniff is the big way of getting there.

E NEW DALLAS-FORT WORTH EWAY

Braniff's 3:05 pm. Non-stop arrival in Dallas-Fort Worth and its 7:00 pm. return departure for ion are both scheduled to meet connecting flights throughout Big Country. At iff's own Arrival and Departure terminal in Dallas Fort Worth, US Immigration Customs formalities are rapidly dealt with when you arrive.

What's more, whether you're in the United Kingdom or the States. we immediate confirmation for reservations on the daily transatlantic flight and onnecting flights on Braniff and other US airlines. And a choice of seats in nce when making reservations or return flight confirmations. (There's a cargo package service on an equally organized footing. Call for details.)

n A ITV XIOXECTION A XID COXINIFCTING SCHEDI II FS

S DAILE NON-	STUP AND CUMME	DITTACE OF	<i>CDEUULE</i> S	•
·e	Arrive		Arrive	
lon 11.45 am.	Dallas-Fort Worth	3:05 pm.	Tulsa	5:10 pm.
wick)		4:50 pm.		5:30 pm.
	San Antonio	4:47 pm.	Ransas City	6:40 pm.
	Oklahoma City		Mexico City	

INSIDE OUR BIG ORANGE 747

The Economy Class traveller could well be surprised at Braniff's special touches: wingback chairs for privacy in flight, generous enclosed over-head storage room, wide-open spaces for stretching the legs, a succulent choice of entrees. As for First Class, the comfort is in the five star bracket: the cabin contains just 24 chairs with (if you get to feel the need for society) a civilised international bar upstairs. To precede your luncheon you're served complimentary cocktails: to accompany it, you're offered a choice of wines. Before, during and after, there are films and 8 channel stereo-at £1.50 per headset in Economy.

Frankfurl very economical for travel from Britain to Big Country. There will be no lower fares than

BRANIFF'S LOW FARES (Subject to Government Approval) The special Braniff air fares, when combined with the lowest fare on the best connecting flights on Braniff or other airlines, make the Dallas-Fort Worth Gateway

Braniff's Advance Purchase Excursion fares and Group 100 fares. BRANIFF'S BACKGROUND The London to Dallas-Fort Worth connection is simply Braniff's newest service. As well as being one of the oldest airlines in the States (founded 1928), Braniff has one of the largest route-mile

systems, with over 90 jets covering some 48,000 kilometers of routes within the USA, Mexico and South

America (where we're the leading US flag carrier). At the Dallas Fort Worth Airport alone we have some 300 flights in transit every day all over the USA.

RESERVATIONS Braniff is taking reservations now, for flights beginning March 1st. Call your travel agent or connecting airline for further information on Braniff flights, fares or holiday tours. Or telephone Braniff in London for a brighter, faster and more economical way of reaching the Big Country.

TELEPHONE: 01-491 4631 outside London dial 100 and ask the operator for freefone 2276 for reservations and details of connecting flights.

e Dallas-Fort Worth 7:00 pm. Arrive London (Gatwick) 9:30 am.

Mainland U.S.A., Alaska, Hawaii, Mexico, South America

What Germans fear most

BY JONATHAN CARR

fruitless controversy on whether increased wages mean a net loss of jobs through higher costs or a net gain via increased consumer

this picture. The first is the much as ever.

TING PARTIES

† Indicates programme in

BBC I

black and white

6.10-7.55 a.m. Open University.

9.38 For Schools Colleges. 10.45

You and Me. 11.22 For Schools, Colleges. 12.45 p.m. News, 1.00

Colleges. 12.45 p.m. News, Low Pebble Mill. 1.45 Bod. 2.01 For Schools, Colleges. 3.15 Songs of Praise. 3.53 Regional News for England (except London). 3.55

5.55 Nationwide (London and

South-East only).

5.10 Kby Peter. 5.40 Lews.

A few years ago the then West hostile and sweeping demand-German Finance Minister Helmut Do you therefore propose the Schmidt made a remark which dismantling of the social security he has since been trying hard to system? The answer is that it

jobs—even if this means taking years by much less than they as bit more inflation on board.

The Germans have now had three there is talk of a betrayal three successive years with an excessive year years with a year year. three successive years with an of the "solidarity part between its salt provides for the settling ment from those with experinloved and are embarking on a ployed and are embarking on a between those who work and pay fourth during which, if anything contributions to-day and the the situation may slightly worsen. But the fact is that this time the trade unions would over the last few years pensions of commercial disputes in the cheef in several disputes in the cheef in several disputes in the cheef in several in recent years there has a processed in commercial accordance with the ideas of Justinian, while not claiming been a tendency to admit into any expertise in commercial the contract the custom and different from other litigants, some general observations. One this time the trade unions would over the last few years pensions of the contract in the contract has a processed in recent years there has a coordance with the ideas of Justinian, while not claiming been a tendency to admit into any expertise in commercial the contract the custom and different from other litigants. Some general observations. One contributions to the contract has the contract has a processed in the contract has a pr this time the trade unions would over the last few years pensions be agitating fiercely, confidence in the Social Democrat-Liberal personal days increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition Government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition government would have increased by around 10 per coalition for the outline government in the service the approach of the custom of the cu strained too far.

The second type of criticism is more detailed. It is claimed that the picture of the mechanic and his unemployed neighbour is an anions, is a rather fierce way. But their main concern is to obtain higher wage increases for 68 per cent, of former net income those in work rather than to for a year, after which the sum the court has the co

Higher prices

and those out of it is not all it annual loss in turnover because might be. Take a skilled of "moonlighting" totals more mechanic (one of those labour than DM20bn.—to say nothing of groups in the Federal Republic the loss to the state in tax for whom there is still a crying revenue and insurance contribuneed) who puts in a good day's tions. Clearly many of those work and sees a fair slice of his doing illegal work on the side are gross pay going in tax and deduc-tions—including unemployment as clearly many of those who are insurance. Nearby lives a rather unemployed would have the less-skilled labourer, out of work opportunity of a job if "black" with the workings of the legal for a few months now—but not believe and the legal of the legal with the workings of the legal less skilled labourer. Out of work opportunity of a jub it black for a few months now—but not labour could be stamped out, apparently very much the worse The official estimate is that offi. Thanks to the excellent roughly 200,000 extra places social security system be is would be available—a figure receiving 68 per cent. of his hardly likely to render most former net income—and seems honest trade union members it appears to the legal profession. The announcement last to be doing a bit of remunerative more susceptible to arguments. Wednesday by Mr. Justice wrapped up their deal, like some Carriage of Goods by Sea, has parcelled gift. But they do not helped to provide accommodate able of the parcelled gift. But they do not helped to provide accommodate able of the give the time and thought that is necessary for the drafting and the businessman's desire that is necessary for the drafting and the businessman's desire to precise and comprehensive for uncomplicated expression of the legal profession. The announcement last Wednesday by Mr. Justice "black" labour on the side. Our that granting their higher wave mechanic would not wish real demands will increase the jobnardship on anyone. But he does less total. The phrase "more have the uneasy feeling that the than one million unemployed system may be making a fool of no longer scares as it used to. But the recognition that prices Two types of criticism are are higher this year than they usually made of those who draw were last hurts the Germans as

6.20 Nationwide.

8.10 Panorama.

9.00 News.

9.23 Robert

Praise, 5.55 Regional value of the land of

5.05 A sin Craven's Newsround, Water 10-0as, and Weather for

F.T. CROSSWORD PUZZLE No. 3,598

Wales.

11.10 Te-night.

News.

the following times:-

6.50 Ask The Family.

" Jeremiah Johnson."

11.50 -11.52 Weather . Regional

Scotland-10.00-10.20 a.m. For

Schools (Around Scotland), 5.35-

7.15 Blake's Seven.

THE WEEK IN THE COURTS

The handmaiden of the commercial man

BY JUSTINIAN

names) who feel internal pressures may force the Government to reflate to create will rise over the next three will rade with one another in spite decision.

understanding service. Hence lawyer and businessman.

Working party

Wednesday by Mr. Justice
Donaldson, therefore, that the
Commercial Court Committee

hittle taste for the task of drafts—
manship; they like the solem—
the handmaiden of the business—
man. The former must contoo little for its details has set up a working party to

live down. The sense of it was is surely better to err in this his countrymen could put case on the side of excess—but up with 5 per cent, inflation that an imbalance either way better than they could with 5 per believe its companied and the content of the better than they could with 5 per believe its companied and the content of the better than they could with 5 per believe its companied and the content of the content of the better than they could with 5 per believe its companied and the content of the conten up with 5 per cent. inflation that an imbalance either way dispute are not always Donaldson took a first, not wishes of the contracting better than they could with 5 per brings its own problems. And separated (as are ordinary unimportant, step in that direct parties. The refusal by lawyers cent, unemployment. To day it after three years of high unline litigants) by quarrel or greevion. In a case where he had to look behind the contract to looks as though that may be employment combined with a almost exactly the reverse of the high level of protection for the lance. They generally seek the reserved his judgment, he see what were its ingredients truth. And that noint is worth truth. And that point is worth unemployed—it is the problems resolution of their disputes handed down his written provides a rigidity under which bearing in mind by those of excess which are storting to without rancour and in friend- judgment instead of occupying businessmen sometimes chafe, foreigners (we'll mention no show up more clearly. Take the names) who feel internal decision last week by

Written word

that has been arrived at through place. the common understanding between the parties.

too little for its details.

as an earnest of how much certainty and permanence. He the language used.

reaus a psaim.

Market place

the contract the custom and had the match restarted than mumb with cold that the final came there were expected to themselves of custom. But with the expansion of trade, when buyer and seller no longer meet face to face, the The lawyer inevitably has an written word has superseded attachment to the written word, the spoken. Identification of obtain higher wage increases for 68 per cent, of the sum those in work rather than to for a year, after which the sum those in work rather than to drops and is subject to a touch casure that those who are job drops and is subject to a touch less find work. (We'll skirt the means test the sum of the Strand. That court has influence his thinking in the con-became more difficult, indeed, always prided itself upon being as much a part of the City of but he cannot so easily allow it the background of differing He may let business practice custom common to both parties London as it is of the machinery but he cannot so easily allow it the background of differing of justice administered in the to contradict or add a new market custom. With the development of telex and teles had found victory in defeat they broke away to an attacking and the centres showed some length of the communication, the pendulum after they were heaten by position on the edge of the attacking flair in addition to the has benefited enormously from man is prone to treat the formal standard and some to the some to treat the formal standard and some to treat the formal standard and some to treat the some to treat the formal standard and some to treat the some to trea simply the seal upon the bargain before it simulates the market

ment has been the standard lireland, having made a late the line and it had trouble very injury problems and in a bouyant. It is not easy to effect a reconform contract, easily adaptable substitution of Harry Steele, early controlling the set scrum; mood. They could easily rock proaches. Businessmen as a The increasing reserved to the limit were relieved to the limit and control the heads that wear the driole sproaches. Businessmen as a The increasing reserved to the limit were relieved to the limit and control to t The most healthy develop-But from time to time the ciliation between these two to any commercial transaction. lawyers are made aware that approaches. Businessmen as a The increasing resort to the there is a degree of disenchantprocess. The speed, efficiency wrapped up their deal, like some Carriage of Goods by Sea, has

stantly bow to the needs of the review the court's procedures To the lawyer the written latter, while retaining his own will be widely welcomed. And word has the supreme virtue of art for clarity and certainty in

1230 p.m. Farm Progress. 1.20 Southern News. 200 Houseparts. 1225 Monday Hattinee: "The Monoluth Monsters." 5.15 Mr. and Mrs. 600 Day by Day. 10.30 Music in Camera. 11.00 Southern News Extra. 11.10 Bill Brand.

Welsh forwards far ahead of Scots in technique

convert Renwick's and Tomes's

The fact is that the Welsh forwards were so far ahead of the Scots in technique that the claim would be spurious.

Not that the Scots gave their neck and indeed. Wales made

RUGBY UNION BY PETER ROBBINS

the points to play with, thanks through. Yet that Scottish presto a devastating burst of scoring sure gave Morgan another mobile fortress at the beginning of the second penalty and then ten minutes Scotland although from time Tomes crashed over At half-time. Wales led 8-7 from a set-piece penalty similar through tries by Edwards and to that used for Gravell's try. Gravell to a penalty by Morgan Wales enjoyed the closing and a try by Renwick. No sooner moments, but everyone was so

Bennett dropped a goal and then whistle was very welcome.
Fenwick scored a try and Bennett Wales owed their victory to 2 kicked a penalty. Ten points in tremendous forward display, as at the line-out with McHargara was at the line-out with Mc Wales ability to change gear.

Wales may have relaxed subconsciously, particularly when the scrum was irresistable, and
Quiunell added another try from committed the Scottish back row
some brilliant thinking by Garch to a tighter role than was really

Considered. Edwards was about to acceptable. In turn, it released.

Now Wales to to Ireland some brilliant thinking by larer to a fighter role than was really Edwards. Edwards was about to acceptable. In turn, it released. Now Wales go to Iteland Mal pass to Bennett but then whipped Cobner, Quinnell and Squire to search of their third successive the ball back to J. J. Williams, lend some outstanding support Triple Crown, and France come who sent Quinnell careering 25 to Edwards and the three to Cardiff looking for the Grand's Slam.

DESPITE THE glacial conditions

However, Scotland also had a Quinnell had a supero match, Wales's match against Scotland lot more to say, and after a but it was in the collective play on Saturday was splendid entergoing the same of saturday was splendid entergoing the superior. When a Weish forward and interspersed with some legar, who unfortunately turned advanced, he was followed by all superiors could will some have to be taken instantly, bright and McLaughlan were supporters could well argue that and those fractions of seconds in bravely isolated.

a draw might have been fairer, choosing options are the differ- Edwards was as masterful as Morgan missed two easy penal- ence between success and failure. ever, but there was some sloppy:

lies in each half and failed to
Biggar again hammered away, passing from Fenwick and:

Convert Renwick's and Tomes's

Gravel that a quicker side would: punish more severely. If collect tive discipline and individual. flair won the game for Wales, they were also helped by some solid defence and tankles by: Cobner on Gammell, and Quinnell on Hogg (Shedden's early as many errors in the second half as did Hay, Gammell, and McGee-replacement) in Scotland as scotland. Wales, however, had chan, but there was no way purple patch. Both were the points to play with thanks through. Yet that Scotlish press severs Gravell appeared to be a

> Scotland, although guilty of serious defensive lapses, have a rather exciting back division. They used Cranston to come inside and Renwick's pace to try and exploit that punch. But like Wales, they lost themselver

> Scotland's best forward effort; Scottish pack won enough ball for Morgan and McGeechan to. control the game more emphati-

Now Wales go to Ireland that

Irish find victory in defeat

row, were reluctant to play." insisted and while the conditions playing his second international, cried out for safety first the looked like a seasoned profescrowd, which braved freezing sional. weather, was treated to a remarkable and exciting game.

The Irish pack was beaten in

Ward is undoubtedly a player the rumoured retirement by to watch for the future. He Skrela from international rugby France put Ireland under combines some of his skills as proves to be false, pressure yet they were unable a soccer player with the sort of Gallion produced a dazzling to turn the pressure into points tactical kicking that is associated try when he scooted through un-

The Irish back division played

probably right.

The French would have won by that at 35 and after 63 caps he is still a hungry player and and was so hard that 35 minutes missed six out of his eight kicks in doubt.

Gibson, twho played for the circumstance on the wing, showed a tat 35 and after 63 caps he is still a hungry player and and was so hard that 35 minutes missed six out of his eight kicks dangerous one.

Ireland's now.

ow, were rejuctant to play. Sorting that and captain crown.

But the French federation Moloney copied well, while Ward, For France, there was a marvellous display by the back row of Rives Skrela and captain Bastiat. It is to be hoped that

with Ireland managing to win with one of his predecessors, impeded from a set serum 38 the ball when they most needed McGann, and Gareth Edwards, yards out from the Irish line.

Forest only need defrosting

the Welsh scrum-half.

THE EVER-BUSY Gemmill let alone control, difficult caused cover for a back four which was spurted down the left flank to Forest to lose some of their less convincing than usual. receive a long forward pass from poise and Busby squandered a He also demonstrated the self-Barrett and his floated centre great opportunity to put his control he has learned under enabled O'Neill—who had raced team further ahead from only Brian Clough, which was demonstrated from midfield—to heat a few yards.

Parkes from close range with his The second half belonged taliate after being kicked by

Arthur, Van Heffin and Report West. 6.22 Report Wales 18.35 This sp. Jack Palance.

The flouday Film: "Beadder Than the Male." starring Richard Johnson and Palance.

12.40 a.m., Close: Neville Jason Eire Sommer. This splendidly conceived and executed goal means that Nottingham Forest are still very HTV Cymru/Wales—As HTV General much in the FA Cup after this Service except: 120-125 p.m. Penawdau Newyddion 7 Dydd. 200-225 Hamsden. 1—1 draw at Queen's Park Rangers. 6.00-6.22 Y Dydd. 8.30-9.00 Yr Wythnes.

(Leeds. Manchester. Newcastle); Challense, 500 About Angle, 10.30 Wish Months To-day (Birminghami); Owner Her. 11.00 Mesers Mories Doints West (Bristol); South To-day (Southampton); Spotlight
South-West (Plymouth).

BBC 2

BBC 2

BBC 2

Gallense, 500 About Angle, 10.30 Wish Mesers Mories Doints (Challense, 500 About Angle, 10.30 Wish Months To-day (Southampton); Spotlight
South-West (Plymouth).

BBC 2

BBC 2

Gallense, 500 About Angle, 10.30 Wish Mesers Mories Doints (Challense, 500 Company Manner, 10.30 Wish Masser Golf, 11.30 The Odd Couple, 12.30 Amer. 51.50 Wish Masser Golf, 11.50 The Odd Couple, 12.30 Wish Masser Golf, 11.50 The Odd Couple, 12.30 Wish Masser Golf, 11.50 The Odd Couple, 12.30 Wish M

SOCCER BY TREYOR BAILEY

post which, possibly. Shilton contains no cowards. This was which is exactly what sank the should have intercepted. cpitomised by Burns, who is great Leeds side when they hould have intercepted. cpitomised by Burns, who in great Leeds side, when they This setback, combined with spite of having one leg hurt for were chasing three titles a few

Parkets from midneid—to beat a few yards.

Parkets from close range with his The second half belonged faliate after being kicked find the largely to Ferret are belonged faliate. head only two minutes from the largely to Forest, who mounted have reduced Rangers to ten men had the referee seen it. On this showing, the London

side will avoid relegation. They defence, with Parkes outstanding in goal; while Bowles, well-supported by the bustling Hollins

conditions which made standing, most of the match, provided years ago.

Guilt on Arsenal gingerbread

Afonsiers."

Day by Day. 10.

July Brand.

Line Bill Brand.

TYNE TEES

Again Brand.

Again Brand.

North East News and Lookaround. 225 power Without Glory. 3.20 Generation Series. 3.35 The Little Rascals. 5.15 University Challenge. 400 Northern Scene. 100 Monday Night Mortern Scene. 100 Monday Night Mortern Series. 1260 Again Epilozue.

Gartonnitre. 10.23 Channel Lote News.

10 12 Thomas Hardy A. Man Who Notices Thiass. 711.36 Lare Night Morter "Maria Marten. or Murder in the Red Barn."

1240 2.m. Channel Gazette followed by News and Weather in French.

GRAMPIAN

9.23 a.m. First Thinz. 12.22

Ton on Snooter. 1.22

Tenders Tyne Tees

Winters. 12.30 Monday Martin Starring Jock 12.30 M

HISTORY, of course, did not selves for such a time? will be sacked after Saturday's repeat itself. Third Division Buckley moves well lays off stroll. But I do hope that Mr. Walsall, 2—0 conquerors in 1933 the ball wisely, acts decisively, Terry Neill rebuked his fellow of Arsenal, League champions that season, were brushed aside Incidentally, he had 16. First two ugir fouls that were worther 4—1 at Highbury on Saturday. Division games for Nottingham in my judgment, of referee Gow's Walsall looked an astute, well-blended side, worther of higher and leaving them after they were by Walsall's Evans, formerly of things than their tenth place in Division II in the Wolves. Liverpool, and Villa. "Division III, and undeserving of 1972-73 season.

Arsenal's last-minute goal that

9.30 a.m. Schools Programmes.
12.00 Noddy. 12.10 p.m. Stepping Sinner. 12.30 Indoor Learner. 1.00
Sinner. 12.30 Indoor Learner. 1.00
News plus FT index. 12.00 Help!
1.30 About Britain. 2.00 Alter Plus. The Mary Typer Market Noon. 22.35 Monday Matinee: The Mary Typer Market Noon. 22.35 Monday Matinee: The Mary Typer Market Noon. 22.35 Monday Matinee: The Mary Typer Market Noon. 23.50 Couples. 4.20
Clapperboard. 4.45 Warrior Show. 4.50 News. 10.50 Longer Noon. 2.50 News.
Clapperboard. 4.45 Warrior Show. 4.50 News. 10.50 News.
6.40 Help!
6.40 Help!
6.40 Help!
6.40 Coronation Street.
8.50 A Sharp Intake of Breath.
8.

Goronation street. A Sharp Intake of Breath. World In Action. Hazell. News. The Big Film: "Shane." Starring Alan Ladd, Jean Garbons." Starring The Callahan Starring Alan Ladd, Jean Gray Gais. 515 Mr. and Mrs. 650 Cohb and David Carradine. Beven and Ocleppo repeat history

6.20 p.m. Reporting Scotland, 11.10 Weather for Scotland.

All IBA Regions as London Northern Ireland News, 5.55-6.20 All IBA Regions as Londo Scene Around Six, 11.50 News and except at the following times:—

England—5.55-6.20 p.m. Look 1.8 p.m. Anglia News. 200 Houseparty.
East (Norwich); Look North 2.5 Family 3.20 Arms. 5.15 University (Leeds, Manchester, Newcastle); Challenge, 5.00 About Anglia, 10.30 Wish All Regions as BBC-1 except at Midlands To-day (Birmingham); You Were Here. 11.00 Myses he following times:

Points West (Bristol); South McCoy. 12.25 a.m. Reflection. Wules-1.45-2.00 p.m. Pili Pala. To-day (Southampton); Spotlight 5.55-6.20 South-West (Plymouth).

4.00 Parents and School, 4.35 Open University 7.00 News on 2 Headlines with sub-titles.

7.05 Children's Wardrobe. 7.30 Newsday. 8.10 Drama 2

9.00 Harry Moramer's World of Music. 9.50 Americans. 10.40 Just A Namece. 11.10 Open Door.

11.35 Late News on 2. 11.45 Tele-Journal.

LONDON 9.30 a.m. Schools Programmes.

7.20 Coronation Street. 8.00 A Sharp Intake of Breath. 8.39 World In Action. 9.00 Hazell. 10.00 News. 10.30 The Big Film: "Shane."

ARROSS
1 Rider remarkated over a return 1
2 Splendid restrict starting at time free so obviously current to a Seat 18
1 three is obviously currage in the Artifler count in the Fattern and Splendid Strong County and the Artifler county and time free in the Artifler count in the Artifler

Overtures from the Orient

by ANTONY THORNCROFT

Bournemouth Symphony
a. and productions of
holm. She Stoops to
and Happy Days. In
there were peripheral ns like the Lucerne Strings, the Charlie in Hinge and Bracket. Warwick and Chiuchow

2 Warwick provided the rsy which is essential to ival by infuriating the by singing for only an nd, by all accounts, ng it. London audiences



and it was good to see a mainly Chinese choir tackling Faures Requiem along with the Bourne-Glasgow Citizens mouth Symphony under the control of Paavo Berglund. There was an obvious disparity in the professionalism that voices and instruments took to the task but it was a commendable venture and the orchestra was in marvellous form, as it

the parameter of the pa was, apparantly, throughout its

Covent Garden

Mayerling II by CLEMENT CRISP

On Friday night there came the further and further along the Lesley Collier's Mary has all first change of cast in Mayerling, way to the Hunting Lodge. the fresh eagerness the role

No Orchids for Miss Blandish

by MICHAEL COVENEY

Garrick

Side by Side by Sondheim

Pacific Overtures and we are the more reminded of our misfor-tune by the company's rendition of "Pretty Lady" than by Robin Ray's quotation from Alistair Cooke on the subject.

Company and Follies are still the best represented shows, the former isolating the curiously affecting misogynist streak in Sondheim (Eric Flynn, who was in the original London company, gives a superb interpretation of

al Hail

Vienna Philharmonic by DAVID MURRAY

ORIAL OFFICES

2 3 A . S

ring here rarely let ing Allegro was seamless, though concert was of course superbly argued: the Morcia event any appearance superbre had assured breadth.

run on automatic simo, four reeds are not quite new work and two some from Beethoven's Quartet, Op. to speak, signalling necessarily more piercing than what rare classics.

135.

and there for a two, only denser and less The performers were the Infour movements, it is fluent.

gnincent sound of the special emphasis. No continuous pointed. From my (excellent) expects Romantic-size orchestral rchestra on Saturday section, but sudden wholeseat, they tended to disappear sound as the norm. I fancied that beddy gestures recalled the stop-stopy of flash technique of Balanchine's strings, and such dialogue crisper, nervier performance from between the different bands as his monster forces than between the different bands as his gnificent sound of the special emphasis. No continuous pointed. From my (excellent) expects Romantic-size orchestral

roduce such burnished which exercised notions of the recurrences of ing Allegro was searched. The opening here pages 12. Allegri Quartet

stating and balanced, the works of the works of the viral gand assured breadth, but much detailed delicary too, and the Scherzo was as unforced as it was swift and vital. In this Music Society would appear to by John Joubert of the University of the playing n ingrained style, not layed Beethoven, the demands (and Bernstein's) Hopeful non-members habitually provided by the Arts Council of the Works of the works strating and balanced, triumphant sonority one had may chance to leave empty, pay for it yourself. Lasting noticeable idiosyncrahis own performance trained. In many pas was satisfied to let the doubtful asset Except in fortis programme consisting of one motto the Muss es sein?" theme run on automatic simo, four reeds are not quite new work and two some from Beethoven's Quartet, Op.

resourceful, and well varied in sound. It has, moreover, that rare quality which one may call musical wit (reminding me of Alan Rawsthorne) by which a com-poser swiftly confronts you with something which is unexpected but strangely logical. Thus when. after three rather dissonant movements, the fourth begins with relaxed jollity in a major key, it seems no capricious act but a clever, convincing permuta-I think it unfortunate that this particular "trick" is worked

twice, the tune returning later. But the whole work is a welcome addition to the steady and estimable output built up by Mr. Joubert over the past 20 years. By accident or cunning plan, it was well paired with Mendelssohn's Quartet in A minor, where similarly a pre-existent theme (from one of the composer's songs) turns up recurrently throughout In personnel, the Allegri Quartet has undergone several successive changes, though not yet recalling the proverbial "old bicycle" of which only the bell is found not to have been renewed. The present members, well matched, are Peter Carter David Roth, Prunella Pacey, and Bruno Schrecker, Miss Pacey's predecessor as viola player, Patrick Ireland, rejoined the group for Mozart's Quintet in D. not so often played and not so deeply touching as the Quintet in G minor, but, nevertheless, serving admirably in this performance to round off a stimulating concert.

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Monday February 20: 1978

A chance to kill the Bill

this week, the Bill would be matters. roundly defeated. It has been which they tend to follow the reputable. party line. There is a minority which is passionately against allowing the Bill to go ahead is the Bill and which has shown, that there is a perceived deby rigorous attendance, that it mand in Scotland for something is possible to amend it almost that falls short of independence. at will. And there is another but goes beyond regionalism. minority, main'y consisting of The Assembly might be the the Scottish Nationalists, which answer, At the very least, goes is in favour of the Bill, but the argument, the Scottish only as a stepping-stone on the people ought to be given the road to independence.

so now than it was at the start not. — that the Bill has major defects. There are certain key however, is that it stores up questions about it which have trouble for the future. The 40 not been answered, and which are perhaps incapable of being referendum campable of the series of the SNP strives. answered. For example, is it more bitter, as the SNP strives conceivable that a Scottish to bring out the vote and at the Assembly would rest content same time alleges that the rules without the power to raise have been rigged. What will revenue? Yet no satisfactory happen if the majority falls just way of allowing independent short? And even if the majority revenue-raising has been found, is adequate, the objections to No way has been found either the deficiencies of the legislaof reconciling the proposed new tion would remain. ievel of Government with the existing regional and district Confidence authorities: it is arguable that Scotland is aiready over-

that would arise if, after devo- to vote against,

THERE CAN be little doubt that lution, a Government that relied if the House of Commons were for its majority on Scottish allowed a free vote on the Third Members attempted to impose Reading of the Scotland Bill its way on purely English

For those reasons alone, the

The respectable case for choice and, given the 40 per cent, clause, they can have the Assembly only if they vote for it in great numbers, which is a It is also clear - even more way of hoping that they will

The trouble with that course

The disreputable case for supgoverned and cannot possibly be Government believes that it difficult to imagine the outery the Bill is dangerous can afford

China buys Japanese

THE MOST immediately strik- The major constraint on any ing aspect of the new \$20bn, expansion of China's trade two-way trade agreement remains its lack of adequate between China and Japan is foreign exchange. Exports of that the Chinese leadership manufactured products are now has the confidence and limited by the depressed state of authority to make long-term world markets and the barriers commitments which run against of protectionism as well as by the grain of much recent policy the growth of domestic consumer on the export of natural spending that will come with resources and the purchase of natural rising incomes. There is also foreign technology. For eight years is a long time in the poliyears is a long time in the polireals is a long time in the poli-tical life of a nation with as furbulent a recent past as because of either its quality Lhina.

Japan's confidence that the new Japan, anxious to diversify its Chinese leadership has the energy supplies and merely a power to carry it through. As shuttle service distance away, is a result of the deal the Japanese the only obvious partner. will be looking to China as a continuing supplier of oil and Prices pensive refinery equipment to barter trade will take place at only one part-timer instead of seek hegemony in the region.

of the agreement it is still barter agreement with Japan. Russians.

hina.

Or transport difficulties. Thus
The agreement also reflects in the Pacific region, at least.

The Chinese have not agreed such a long-term trade package since the planned equipment purchases from Russia in the 1950s. Ironically, it is the Russians who have most reason to be worried by the new deal soil is the agreement. The incentive to do to the magnitude of new three instead of three.

Only one part-timer instead of three.

The chances are that the Japan—so the average pay of prime ministerial aides has gone up from £3.441 a year to £6.126.

The latest figure may seem quipment. The incentive to do to the magnitude of new man in the street, but then one with Japan. For the agreement promises an inwelcome increase in China's industrial strength, and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-China treaty is which the same and could pave the way for a Japan-Chin Japan-China treaty in which the Chinese are anxious to insert an anti-Ru-sian clause that great trading centre that could April 1977 it was \$70.20. That south-central France. Since the an anti-Ru-sian clause that would stipulate that the two sides would oppose the attempts of the sides would oppose the attempts come uses rural its ambition of Street is setting such a good he has had a bodyguard on restored between the London presidential orders. power.

There is little the Russians can do to prevent the drawing together of these two major Far Bosses' boss From the conflicting accounts Eastern countries. They have already told the Japanese of in France unclear whether it marks an their hostile attitude to any addition to existing trade or friendship treaty that did whether China's current sales of include an "anti-hegemony" month's elections, the view from the young. Whatever happens to breach, It says it will give been included. But the in public has been to point out avenue Pierre I de Serbie, will been included. But the in public has been to point out avenue riests and integrated steel mid that China what they regard as Russian be distinctly murky. It is perbosses is certain to find his are accompanied by stamped at Queer Mary College, London at Queer Mary College, London will obtain at Shanghai, the intransigence in the territorial haps because of his talent for third term the toughest of them addressed envelopes. modernisation of two existing disputes over the northern feeling his way forward in all. steel plants, the fertiliser and islands, which is holding up a gloomy petro-chemical plants all pre- peace treaty between Tokyo and François sent significant additions to Moscow, But the Japanese have unanimously reappointed head Don't call us-China's industrial capacity and no wish to incur the long-term of the national employers' technology in areas where at the anger of the Russians, who are federation, the Patronat, for an we'll call you moment there are considerable also potential major suppliers of unprecedented third term. Since finance its side of the package hegemony "clause or to make a on the Patronal's coverning her This is the U.S. innovation those Californian holidays being outside the framework of a parallel peace treaty with the body

The Post Office's dilemma over 'System X'

BY MAX WILKINSON

of interest between its sub-future export hopes must be been engaged in what seemed scribers and its suppliers.

people desperately need the into service in the 1980s. is the key to their development capacity. programmes. On the other hand. These

tariffs, as low as possible. The multi-billion-pound inpresent Victorian technology which can be justified by the customers.
expansion of the system and a There are normal replacement programme old Civil Service approach is A computer controlled netfor old exchanges.

manufacturers must achieve if overseas competitors. powers of Scottish MPs at West- price of more trouble ahead. Mr. Strowger equipment in the sys- U.S. supplier. These delays are occurring a straight for the vote an issue of confidence: many years to come, even specified the new type of "stored partly to cope with expansion—actually conversations are still to have a substantial number of incomponent technology. Again, no answer has been country. Safe in that knowledge, produced, even though it is not Labour MPs who are aware that the order to come actually concerns actually con produced, even though it is not Labour MPs who are aware that switches still make 86 per cent, mechanical switches which date gear.

back £100m, "excess profits" as 1 and Fujitsu and Nippon Elec- getting mixed up and different tional exchanges and require controlled.

move into the computer age allocated for the development of type of digital switching. threatens to produce a conflict the new "System X" on which However, the Post Office has pinned: "System X" is the an interminable round of dis-

There are signs now that the the end of the year.

gradually giving way to the need work is immensely complicated But the manufacturers, who to become part of what might be and decisions on the basic are already at least five years called "U.K. Telecoms framework or "architecture" routines start interfering with about a tenth of the direct On the other hand the record tenth of the direct On the other hand the record tenth of the direct On the other was found their foreign competition competitions and amalgam of are of crucial importance to its each other. tors, need the fastest possible interests between the public eventual success. On the other

THE Post Office's latest a £7 rebate to each subscriber tric in Japan have the DEX 2 attempt to persuade more demonstrated a narrow short- and 10. The Post Office's answer people to use the telephone term view of the industry. Is System X, which combines highlights the way in which its Ironically £100m, is the sum computer control with a new

On the one hand, the com- code name for the fully digital cursions and squabbling with its panies which supply exchange computerised range of exchan-equipment and employ 65,000 ges expected to be introduced certion of System X. These clear for many months that the House as a whole either does ought to be defeated. What is not like the Bill, or has no interest in it. In fact MPs tend to divide into three groups on divide into three groups on that it is a bad Bill, and almost office's change will largely the needs of manufacturers is be until at least the early 1980s that it is a bad Bill, and almost office's change will largely the needs of manufacturers is be until at least the early 1980s determine whether they have a to try to stimulate demand for the new exchanges are in the telephone service. If demand operation. The development will market in the 1980s, and for telephones is expanding contract for large urban expensive to the respectable and the distance of the huse costs in approximately by the Post in the post of the post of the huse costs in approximately by the post of the Because of the huge costs in- even accelerated by the Post been worried not only by the volved. Post Office sponsorship Office's own need for new slowness in awarding the dewelopment contract, but by the considerations un- Post Office's reluctance to give the Post Office has to consider doubtedly lie behind the state- any firm commitment about the the interests of subscribers in ment of Sir William Barlow, the size of orders it will place for keeping costs, and therefore new Post Office chairman, that the new equipment. However, he wants to see faster growth in it does now appear that a sense both the domestic and business of urgency has crept into the vestment needed to replace the telecommunications sectors. programme. Next month for the At the same time the Post first time, the Post Office is exwith computerised equipment is Unice has found itself, like it or pected to release some details certain to push up telephone not, at the centre of discussions of how the hitherto secret syscharges if it proceeds too fast, about how to tailor its new tem will work. Sir William has For the Post Office "too fast" digital computer controlled ex- also promised that firm orders means faster than the rate changes to the needs of foreign for production exchanges will be the placed that the probably her

traditional criteria and the Standard Telephones and Cables. The change-over to a comspeed of development which the at least five years behind their puter controlled system is not
speed of development which the at least five years behind their puter controlled system is not
acknowledged to be reliable and imperfection. required merely to keep up with acknowledged to be reliable and imperfection. they are to obtain any place at Huge contracts for Saudi international fashion. The inporting the Bill is that the all in the world market. In Arabia. Australia, Korea and vention of stored program con. proach led to a great deal of changes will be fully digital, schedule retarded by a complex deed the rate of expansion of elsewhere have been contested trol was one of the most duplication. helped by the addition of one to the computer in order to deed the rate of expansion of elsewhere have been contested trot was one or the most of the computer either end to the computer of t Not least, there is the so-maintain its position in Scot year, only about half the rate helpless from the sidelines, or It offers the property of ANE. Philips's PRX and ITT's lay, to the existing exchanges, tion at high level in the Post year, only about half the rate helpless from the sidelines, or It offers the property of the existing exchanges, tion at high level in the Post year. Only about half the rate helpless from the sidelines, or It offers the Philips's PRX and ITT's lay, to the existing exchanges, tion at high level in the Post year. realled West Lothian quest land. Even if that reading were of the late 1960s. And much at best tried unsuccessfully to cheaper, more efficient and AXE. Philips's PXX and III's until eventually the conversion Office. Crisp and final decisions what are no be the tion": what are to be the correct, it would be only at the powers of Scottish MPs at West-price of more trouble ahead. Mr. Strowger equipment in the sys- U.S. supplier. minster in relation to English Caliaghan is rightly not making tem will remain serviceable for All these contracts have certainly need it at some stage, tional reed relay mechanism for telephone.

> telephone connections in the from the nineteenth century. The difficulties of designing System X aims to leapfrog One of the major uncertainties onto silicon smaller than a Even the most advanced British a computer controlled network these developments to a new about System X is whether the postage stamp in a few years.
>
> The Post Office and the controlled network these developments to a new about System X is whether the postage of processors and there have type of digital switching which the controlled network there have type of digital switching which the controlled network there have type of digital switching which the controlled network there have type of digital switching which the controlled network there have type of digital switching which the controlled network the controlled network there have type of digital switching which the controlled network the The Post Office is therefore electronic exchange, the TXE4 are enormous, and there have type of digital switching which formidable difficulties of stored time. Prices of processors and faced with a major dilemma, does not have computer control, been a number of disasters in can be carried out within the program control and of digital memories are continuing to How is it to justify investment Following the introduction of the early stages of most systems. Computer on microscopic elee- switching can be overcome by How is it to justify investment. Following the introduction of the early stages of those systems, tronic switches. Such switches the research teams in one increases. Consequently designs demanded by the worldwide stored program control by Bell Large numbers of different pro-tronic switches. Such switches the research teams in one which have too long a gestation revolution in switching tech- in America in May 1965, grams in large numbers of can operate extremely fast and simultaneous jump. nology if the scale of investment several European systems have exchanges are all using the netis not strictly "needed" by sub-been developed. Ericsson of work at once to control Dr. Kenneth Corfield, managing example, is moderately the scribers? It is a dilemma which Sweden produced the successful thousands if not millions of director of Standard Telephones optimistic. It points to the the race at all, manufacturers the Government has so far given AXE system, Philips has the simultaneous conversations. Unand Cables, estimates a fully successful development of the no signs of understanding PRX and ITT produced Meta-less the greatest care is taken digital exchange in ten years' British military constitutions. no signs of understanding PRX and ITT produced Meta-less the greatest care is taken digital exchange in ten years' British military communications Indeed, its decision last year conta. In addition Siemens of the bleeps generated by the time will occupy about a thou- system called Ptarmigan, which But in spite of its advanced

STROWGER, or "step by steps switches invented in the last century and still manufactured, are reasonably reliable and efficient but slow in operation and expensive to maintain. The digits dialled on the telephone receiver send pulses down the wire which activate electro-mechanical switches one after another until a complete connection is made. A delay between dialling and connection is inevitable while the switches are setting up the call. Contacts must he cleaned frequently and the mechanism kept free from dirt. Strowger exchanges are bulky and require intricate wiring networks between racks of switches.

• CROSSBAR was the next development of switching technology widely introduced in many countries during the 1950s and 1960s, but not to any great extent in the U.K. where the Post Office made a disastrous attempt to leapfrog into the electronic age. It consists of a grid of horizontal and a grid of vertical bars which both bave switch contacts at the crosspoints. Contact is made at only one crosspoint when a vertical and a horizontal bar is given a half turn. Crossbar exchanges are more compact than Strowger and allow more rapid control of switching sequences.

● REED RELAY-The most recent development in conventional switching has been to replace the mechanical miniature metals springs or bubbles. An electro-magnet: pulls the reeds together to

because the switches are enclosed, require-less mainten-

* STORED PROGRAM CON-TROL-(SPC) is the use of computers to control ex-In traditional changes. systems, the dialled pulses are used directly to open and close switches to connect calls. In the most modern of these systems, sophisticated electronics interpret these pulses and re-transmit them to the various exchanges through which the call will pass. SPC, however, replaces these control mechanisms with a computer. The number dialled by a caller goes straight to the computer. which calculates the best route for the calls and sends

to the switches. This system is faster and more flexible, because the computer can instantly calculate the best route for a call when the lines are busy. The computer can provide many extra facilities and allows. changes-like disconnection of a subscriber—to be made by a simple instruction from a keyboard rather than the physical alteration of wires in the exchange. From the subscribers'

out appropriate instructions

point of view, SPC is capable of providing a range of new services, in fact many of the services at present provided by a personal secretary. For example the telephone can be instructed by punching in bars and switches with the appropriate code: "Do not allow any incoming calls. reeds" enclosed in glass until 4 o'clock, except if Mr. wound round the bubble to be transferred automatically to another number, and

THE DIFFERENT TYPES OF SWITCHING connect speech paths. Reed if a number is engaged, can relay exchanges are still automatically ring back as smaller than Crossbar, and, soon as it is free. Because such services are controlled by computer programs, the can be altered or expanded relatively easily from a central office, and different subscribers - may choose to have different facilities.

> • DIGITAL SWITCHING represents the complete integration with computer technology. SPC is only a computerised way of controlling switches. Speech is conveyed between telephones by ordinary electrical currents (analogue signals) which exactly mirror the vibrations of the voice. In a fully digital exchange, however, these analogue currents are converted into a series of 'digits" or bleeps. The bleeps are the same as the signals used by computers fortheir internal operation. Conform can therefore be routed to different destinations by an internal switching system within a computer. These switches are millions of times faster and millions of times smaller than the older electro-mechanical switches. Moreover they are connected on tiny micro-circults with hardly any wires between

• PRESENT SYSTEMS AII existing SPC systems in Europe including Ericsson's Philips PRX and ITT's Metaconta combine computer control with ana logue switching, mainly using reed relays. The British Post Office's System X will combine SPC with digital? switching, although analogue 7 rings." It will allow calls exchanges may well be incorporated into the system in the early stages.

them.

development followed by substantial home orders to provide
a credible base for exports.

Unfortunately, there is no
magic formula which will match
the rate of investment determined by the Post Office's
mined by the Post Office's
mined by the Post Office's
pleaser and the private manuhand Ericsson of Sweden, which
won the Australian and half the
won the Australian and half the
speed of development which the
speed of development for an the private manuhand Ericsson of Sweden which
what is now described as size and eventually in cost, there
speed of development which the post office has made a series of only five years to develop its
speed of service and the private manuhand Ericsson of Sweden which
what is now described as size and eventually in cost, there
speed of seventually in cost, there
speed o After an initial failure with Apart from the gains in speed,

tern of sound waves.

with conversion apparatus at apparatus of committees and dis

the U.S.

that the Post Office should hand Germany is developing the EWS different programs all start sandth of the volume of tradi- is fully digital and computer concept. System X is in develop-

couraging. The Carter Com-

"The project is falling behind

increases. Consequently designs

ment terms, half a lap behind,

Naturally enough, inflation has left its mark on the cost of the Prime Minister's own staff, as upon wages everywhere. In a written answer in the Commons last week, Mr. Callaghan disclosed that in 1974 the total bill for such staff was £234,000. whereas in 1977 is was \$435,000. The numbers were much the will now have to invest in ex. The agreement says that the with 68 three years earlier, but

example to us all.

surroundings that Ceyrac has



"Now Jim is threatening a Buy British (Scottish Excepted) Campaign '."

average national wage in April a deeply-lined lace, he was norn Light on lead

whereby advertisers can call offered by Lloyds. To avoid mak-Ceyrac has also maintained a every number on an exchange ing things too easy for the sixth-

to deliver a sales message. The formers, I shall leave them to Post Office told me that they find the address of Associated had never heard of it and while Lead. being sceptical would not like to offer a premature judgment. John Cartwright, a Labour MP. who specialises in consumer Stockholm affairs, has now won an assurauce that the "telephone terror" stick-up will not be allowed into Britain.

Metal Exchange and Lloyds. Predictably, Ceyrac has been Bink, Followers of this column bitterly condemning the econ- will recall how a lead price Aiready the number of such omic programmes of the Left- poser in the bank's competition hold-ups in 1978 is well into wing parties. But he is also for sixth-formers has inundated warning the present govern- the LME with letters. Now one ment that it must stimulate of the ring-dealing members on faster industrial growth to the exchange-Associated Lead at the polls, the man the French the answer needed by students Dr. Alan Bond, director of the

both to the LME and the Finan-day. He says: "It will be cial Times commodities depart- responsive to its environment ment: there seems to have been and will learn from its misan amazing increase lately in takes." vouthful FT readers studying. I trust Bond will be able to shortages. The further attract energy. In the coming months 1973 he has managed to steer The Post Office has shaped up lead for a special thesis or a get some ready to stand in the tion to Chine, is that it would there is likely to be a lot of deli-have had difficulty in finding cate negotiation by Japan either business lobby and the big con-quential diallers," to which I all seem coy about admitting he could also offer one to Sir \$10bn. of foreign exchange to to tone down the "anti-clomerates heavily represented draw attention carly last Decem- that they want to win one of Charles Villiers at British Steel.

Just in time, Up to 27m. calls Residents in a south Stockholm a day are being made in the suburb have received an official U.S., delivering a variety of letter saying that their local four-minute spiels according to Post office was being closed as which advertiser has bought the staff went in fear of their time on private lines. Until the lives due to a continual run of message ends you are unable armed hold-ups-nine since to dial out-one subscriber has 1969. In future, residents are stirred public anger by telling to use another completely new how she could not call a doctor post office about a mile away. for several minutes when her which has been equipped with mother had a heart attack. The the latest aids to deter robbers State of Illinois is now leading Last week the new office had its a nationwide drive to have first taste of reality when two computer-based sequential dial-men, one armed with a pistol ling made illegal and the other brandishing an axe, got away with Kr.20,000

(about £2,400). About 30 sub-post offices in the Stockholm area are heing shut as staff are scared to work alone or in small numbers. In the last three years Sweden has spent about Kr.60m to deter postal bandits, but it appears double, figures.

University, is going to unveil-This is a considerable relief a new kind of robot on Thurs-

Ubserver

How to **increase** the value of your legacy?

You must naturally be concerned to ensure that your bequest achieves the maximum benefit, and that it is not eroded by inflation.

Help the Aged shares your concern and does a great deal to meet it.

First, the charity mobilises hundreds of devoted volunteers at home and abroadincluding retired people with special skills. They enable us to achieve much with every £1 entrusted to us:

Then we place great importance on taking the initiative and helping self-help. work-to build Day Centres where pld people find friendship, Work Centres for those intent on keeping active. Feeling Centres for the hungry overseas, and Day Treatment Hospitals here in Britain

Among the well-known people who endorse the value of a legacy to Help the Aged are Lord Shawcross Lord Gardiner (the charity's president). Dame Vera Lynn and General Sir Brian Horrocks.

Write or 'phone for interesting and helpful booklets on making wills, and onreducing the impact of Capital Transfer Tax (Estate Duty). Free on request from The Hon. Treasurer, The Rt. Hon. Lord Maybray-King, Help the Aged, Room FT2L. 32 Dover Street, London WIA 7JZ. Telephone: (01) 499 0972.

FINANCIAL TIMES SURVEY

Monday February 20 1978

Freight and Transport Systems

In all the main sectors world transport is having to cope with a welter of change — a problem not eased by the recession. An increasing degree of regulation seems to be a distinct probability throughout.

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n Hargreaves

nt Correspondent N THAT trade pro- who are arguing to the Foster almost every nation possessing m is a symptom of a Committee on operators licens, a shippard, both mean a louder economy, it is no ing that they too cannot cope government voice in the way would cost the company £16m, contemplate. West Germany, A solution on vehicle weights that the last year has with such a free tide of comhe symptoms spread petition and from the Comtransport is no excepd from the efforts of drivers hours the British haul
dent oil tanker owners age industry will have to learn

a shronically overs market to the argu- three years. At least for the declining. of British hauliers in moment, though, the EEC is not of a tougher licensing pressing the question of bracket 1978 looks like being or reference tariffs in road ed by a succession of haulage, although curiously the

blooded international hauliers.

nomic climate. safety and the need to give very large capital investment not to say that the forces of of the seas. regulation may not occasionally Elsewhere in the shipping be subject to criticism.

Within air notion of cargo preference for transport, such regulation is oil trades. Cargo preference, accepted on the grounds of dormant rather than dead in the carriers some assurance that minds of the oil-producing States, could yet present a will not be jeopardised by fundamental challenge to the excess of competition. This is whole concept of the freedom

industry. European govern-In an area such as road and ments are talking of regulatory rail transport, views differ ways to halt the expansion of widely. EEC transport policy the Soviet incursion into liner is founded on a dirigiste trades. Then, although it does approach to such matters and not come under the strict headin the U.S. trucking is regulated ing of regulations, the growing to a degree unthinkable in this Government involvement in the The U.K.'s liberal financial support of shipping. system is, however, under as in Norway, or in the conchallenge from the hauliers, nected area of shipbuilding, in things will be run. The fact in extra stock requirements.

Burden

These developments mean a demand for minimum tariffs is great burden of responsibility cent. increase in the price of oil haulage issues—lorry drivers' Railways act that some of these one which the Foster Committee on national governments and on ats assume the status will hear from some U.K. their supra-national equival on the subject of freedom of weights-present bigger chalconfrontation whereas In shipping the traditional with the freight transport indus- almost every EEC proposal on more or less resolved, with tually no progress, which is a the fore. This is mainly an issue least now the pace of innovatre merely tiffs between regulatory medium for the liner tries right. The penalties of not transport matters, the parallel Britain accepting a three-year pity if only for the lack of con- of straight self-interest between tion in ports technology, new requirement for fairness creates phase-in of the eight-hour day sideration it implies for the community members wanting ship designs and road-based unit represents a difference attack again in the U.S., where Britain's transport users alone endless problems. In theory, from last month, but the asso- degree to which railway finan- more cross-trade and the larger load systems has slackened, givrather than of type. a Grand Jury investigation is spent over £10bn, on goods the system of a quota of road ciated issue of compulsory tacho- cial problems committee the cross-traders like Britain not ing everyone an opportunity to s to the first variety are expected to begin later this transport last year and any haulage permits, administered graphs continues to divide minds of several member wanting to sacrifice what they take stock and adjust to the o involve tariffs and year — a factor which would unwarranted interference with almost entirely on a national Britain and Ireland from the governments. Britain's Trans have, but it is one where the consequences of a decade of and the latter Govern- seemingly contradict the argu- the efficient movement of in- rather than a community basis, rest of the Community. At least port White Paper last June was Community would do well to be rapid change. Only as the pace gulations or preferential ment about the growth of the dustrial goods has serious is a nonsense, but it is a non- in the opinion of many in the the first for some time not to able to present a united face to of world trade quickens will it



The French port of Dunkirk-West, with car, train and container terminals linked to U.K. ports like Dover, Harwich and Felixstowe.

IMCO would have been a 2 per

ment about the grown of the dustrial goods has serious is a nonsense, but it is a nonent.

regulatory spirit. But at the consequences for the consumer. sense with no end in sight bearguable, however, that same time as the U.S. authoritransport industries fies have supported the antichairman, said recently that a
regulation of competitivist zeal of the Grand' Jury, single day's disruption in at least to a degree unthey have toyed, seriously but Unilever's world-wide transe, regardless of eco-so far unsuccessfully, with the port and distribution operation than a number of nations dare intra-Community movements.

with its £2.4bn. a year support seems some distance away, with chronically over- to live with during the next owning sector is bound to go on has increased, so have the freeseeable future, the more committed to interpolar to the argument is going to be about more committed to interpolar to the penalties for disruption. The argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to interpolar to the argument is going to be about more committed to the argument is going to be about more committed to the argument is going to be about more committed to the argument is going to be about more committed to the argument is going to be about more committed to the argument argume consequences of international not whether there should be a modal unit road traffic. Both would benefit considerably from regulations for oil tankers re- quota system, but simply how harmonisation of weights. cently proposed by the U.S. to it can be operated most fairly.

The other big European road Although principled debate hours and maximum vehicle

tunity. The lack of constructive European debate on the subject is disturbing.

Of course it is possible to take all this cloak of regulation too eriously. Transport operators, customers are able to circum-

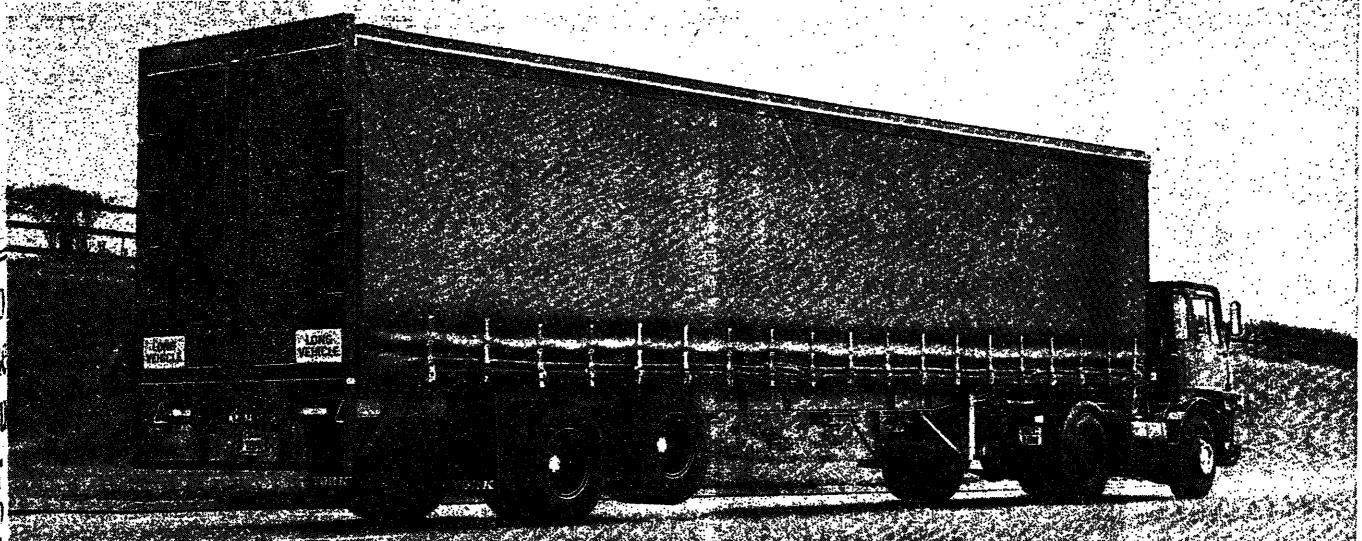
This document, although accurate enough in many of its observations about the trend towards through transport and the need for industry to grasp this trend, had almost nothing to say by way of conclusion. Its suggestion that carriers should make sure they offer clear, door to door delivery terms, partly in the interests of balance of payments gains, was interesting. but is not likely to be much needed by operators.

In shipping, the EEC is only

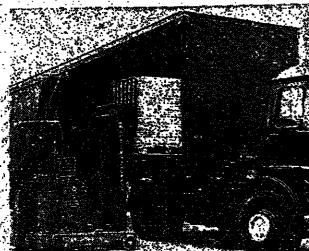
the immediate future and in the ments to their shipbuilders longer term, energy pressures flow which in the view of the may offer an even greater oppor- shipping industry is having a disastrous effect in delaying the re-balancing of supply and demand in shipping markets.

sponse to some of those developfreight forwarders and their ments, as summed up in last June's Transport White Paper, vent many requirements of even has been to declare a regime the most determined bureau of no subsidisation for freight cracies. An example of an officarriers, steps to ensure less cial exercise which proved to be environmentally hazardous lorlargely pointless wa: the "little ries and so far as possible fair report on through terms of competition between ransport to the EEC last year. road and rail in philosophy, the policy has much to recommend tion of traditional Labour Party avoiding wild swings of policy between administrations of different parties. When the Opposition's transport policy document is agitating strongly about a matter of such narrow concern as the information in British Rail's accounts, we can be sure there is not too much difference of basic policy.

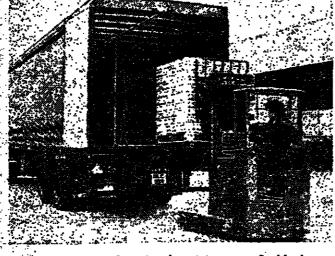
The general prospects for the just beginning to consider the freight transport industries in idea of some sort of all-em- 1978 remain unavoidably tied bracing marine philosophy, but to the rate of economic growth it will probably not get through and the increase in world trade. When it comes to railways, 1978 without divisions over the There are few grounds for optients to get their relationships competition is at the heart of lenges still. The first has been the Community has made vir- UNCTAD liner code coming to mism in most sectors, but at



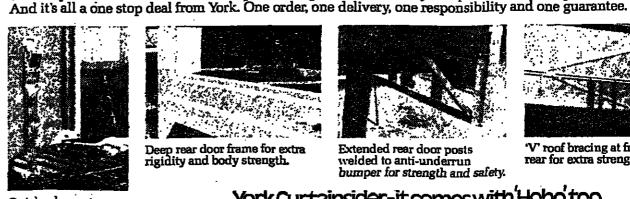
the easy loading of a platform with the protection of a van and the reliability of York.



impeded side loading through the heavy duty 9oz PVC ted polyester curtains. (The four, sturdy roof supports are nly spaced along the centre line of the trailer.)



Rear-loading through optional container-type double doors. (Note: raised rear header for extra internal cube.)



Ouick release straps and ratchet operated horizontal tensioning. eliminetes billowing.



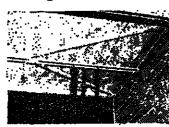
Deep rear door frame for extra rigidity and body strength.



The York Curtainsider is an integrally built side loading trailer. Not a body-built add on.

The fully-tensioned curtains and one-piece roof give the loadability of a platform and the protection of a van.

Extended rear door posts welded to anti-underrun bumper for strength and safety.



'V' roof bracing at front and

York Curtainsider-it comes with 'Hobo' too.



York Trailer Company Limited, Northallerton, North Yorkshire DL7 8UE. Telephone: Northallerton (0609) 3155. Telex: 58600.

Vogue for package deals

been one of the fastest growing carriers. as measured by the total volume of passenger-miles.

This rate of increase was not Specialised all that surprising. The 1950s and 1960s witnessed the longest sustained wave of economic expansion the world has so far services have become increasingly specialised and the differ-

dry vargoes. It has converted services for exports. justify the design and operation that market.

somewhat unsatisfactory yard- arrived on the scene. And in been vastly improving their stick of ton-miles of work done the organisation and control of cross-Channel container and fullsuck of ton-miles of work done freight movement, automatic train load services. In journey data processing techniques have times and cost these services almost 8 per cent a year. This facilitated the development of was faster than the increase in more sophisticated more sophisticated more sophisticated. was faster than the increase in more sophisticated, more petitive in recent years, for ship-both world population and economical and more responsive ments of a size, loadability, world income during the same systems for regulating the flow distance and route suitable for period—and faster too than the of supplies to factories and out rail hauls. In some sections of growth in passenger transport again to customers and shops. the market, too, the cost and delivery times offered by roadair-road services have also become highly competitive.

seen, and the most notable fea- ingly specialised and the differ- destination of just over half of ture of that expansion was the ent modes have increasingly Britain's total visible trade, as vast growth in trade between complementary. That countries, and especially become competition has does not mean competition has decades ago, it is one which, manufacturers to become less intensive. Far tween the industrialised countries, whereas internal freight from it, both within and tries. Whereas internal freight from it, both within and the second of the application tries. Whereas internal freight movements tend to grow in volume in rough correspondence to the growth of a national economy—subject to the growth of a national ing changes in the location and ing changes in the location and ing changes in the location and based freight systems. In is for more than not, more than and based freight systems. In is for more located to be unified and concents which appear located to be unified to transport to the most Britain, possibly does not concent to the most Britain, possibly does ing changes in the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more often than not, more than a reach truck the location and more of the location and the location

expansion has been accom. It is a second to the second to in large hulk carriers to move transport interests are provid- fingers. And there has also been (IMH) to suggest that U.K. in- to the IMH recently. oil and an increasing range of ing inter-modal door-to-door the perennial problem of acquir- dustry was spending fibn. ing licences to operate—both more than it needs to on stor- Compare on the Middle East run.

world demand for freight —a relatively new and speci-transport—as measured by the aligned freight carrier — have the Continent, have meanwhile — have the Continent — hav

been one of the fastest growing activities in recent decades both activities in recent decades both in Britain and in the world gencially. The rate of increase has across the rate of increase has activities in recent decades both in Britain and in the world gencially. The rate of increase has across the rate of increase has across the response to a Continental firm. Some have always and discharging the demand as for converting of historical, economic, social intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets, with containers into a form of mobile intra-Community trade has system to convey pallets.

cally. The rate of increase has slackened or disappeared altogether during the post-1973 in signalling, communications, are participating in joint ventor the Hiddle East so as while this may be useful on the 1950s and 1960s, according to some estimates compiled by heavy investment in new tribution services. Several U.K. Transport and Road Research Laboratory, the total world demand for freight more demand for freight more demand for freight more and specificant trucks is deferent parts of Africa.

In the 1950s and other full-train load gestion in that region. Both region and other companies train for part of the way. But, for part of panying driver need careful west derman names and they will use the forwarders tacks in the system.

and they will use the forwarders tacks in the system.

and they will use the forwarders tacks in the system.

At last year's Movement 77 bumps by vehicles have been mode, offer the most competitive service providing these exhibition, SI Handling launched frames which can travel with

Materials handling equipment

and more efficient berth and activities, including inter-number of permits negotiated chase of new mechanical hand-vehicles in Continental Europe Enginering, a recently-formed Leonard which is secured to the prefer to see equipment work-cargo handling capacity to national freight forwarding, by the Government for U.K. ling equipment, according to the to understand just how far subsidiary of the Ferranti forks and used as a maintenance, ing in someone else's warehouse

development of air freight has and small, have moved into should be a fringe of black dustry is to improve its The concept that a lorry for its sideleaders. These not be moved while the plat- it is still possible to success. created an entirely new com- cross-Channel operations, market operations using forged efficiency, there will have to be should have its own small crane machines belied the container form is raised. It also says the with something completely new petitive mode large enough to acquiring a substantial share of permits or none at all, especially investment in reliable handling to allow the driver to load and revolution on its way at the safe maximum working height. equipment, investment in data unload without other human aid docks.

techniques of manufacture—the volume of international freight volume of international freight will be affected by the volume of international and the volume of international freight will be affected by the volume of international freight will be affected by the volume of international freight will be affected by the volume of international freight will be affected by the volume of international freight will be affected by the volume of international freight will be affected by the volume of international freight systems. In is for more loads to be unitised on market share and it is short, inter-modal operations to the Continue to time from basic major market share and it is short, inter-modal operations to the Continue to time from basic major market share and it is short, inter-modal operations to the last ten years the tutal ro-ro to make a conventional from time to time from basic major market share and it is short, inter-modal operations to the last ten years the tutal ro-ro to make the last ten years the tutal ro-ro to make a conventional from time to time from basic major market share and it is short, inter-modal operations to the last ten years the tutal ro-ro to make to time from basic major market share and it is to major market share and it is to major market share and it is to time from basic major market share and it is to time from basic major market share and it is to time from basic major market share and it is to time from basic major market share and it is to time from basic major market share and it is to time from basic major market share and it is to time from basic major market share and it is to time from time to time

Britain has to go before getting group, is making straddle car platform. The manufacturer or plant before they order it and volume of maritime freight land distribution services. Many match the demand—which does But that concentrated only on the full benefits of this riers, while Lancer Boss has stresses it is not an order for themselves. But obviously, movement. In the air, the U.K. road hauliers, both large not make it surprising that there waste. If manufacturing in-mechanical handling device. gained a worldwide reputation picker so that the truck should as the MHN experience shows

Colin Jones another idea—called Itematic— a container. than-full case quantities.

Handling for pallet picking full most narrow-aisle stackers.

rier, which is mounted on four "top ten" items of equipment the MHN experience shows, it tall legs, moves over the con-nominated by Materials is still possible to succeed with tainer and clasps it up to its Handling News last month. The something completely now. most of the world's major deep P. & O. and Ocean Transport under the EEC Community age and materials handling.

belly, or by the big sideloading magazine monitors readers' belly or by the big sideloading magazine monitors readers' belly or by the big sideloading magazine monitors readers' belly or by the big sideloading magazine monitors readers' belly or by the big sideloading magazine monitors readers' belly or by the big sideloading magazine monitors readers' belly or by the big sideloading magazine monitors readers' belly or by the big sideloading magazine monitors readers' by the big sideloading magazine monitors readers' by the big sideloading magazine belly, or by the big sideloading magazine monitors readers' tainer and other unitised cargo largest shipping groups, have bilateral inter-governmental ture could be cut by the intro- you have only to compare the handling methods. The ports for example diversified into a permits. There has never been duction of better handling number of lorry-mounted cranes have invested heavily in new wide range of other transport a year when the quota or the methods rather than the pur- in the U.K. with those seen on these product areas. Ferranti was an attachment from E. Y. king sector conservatively, they

warehouse the Another idea which appealed materials handling industry is to MHN readers was the materials nanoning industry is to main reducts was the waiting with some awe to see Modular Distribution Systems' how the £7.5m. warehouse at Transfer Frame, These are lift Leeds developed for Elida frames with built-in hydraulics Gibbs, Unilever's tolletries sub- which can be used to provide sidiary works out. Probably the mobile, height-adjustable loadmost highly automated plant of ing docks, work and elevating FREIGHT TRANSPORT had of large specialised jet air Some have gone further To meet the permit problem tions by road has been ticularly strong competitive its kind in Britain, on the goods platforms and mobile gantry its kind in Britain, on the goods platforms and mobile gantry been one of the fastest growing carriers.

Some have gone further To meet the permit problem tions by road has been ticularly strong competitive its kind in Britain, on the goods platforms and mobile gantry its kind in Britain, on the goods platforms and mobile gantry in the permit problem tions by road has been ticularly strong competitive in this market. The pressure of demand as fully-automated Teletrac train loads, as well as for converting

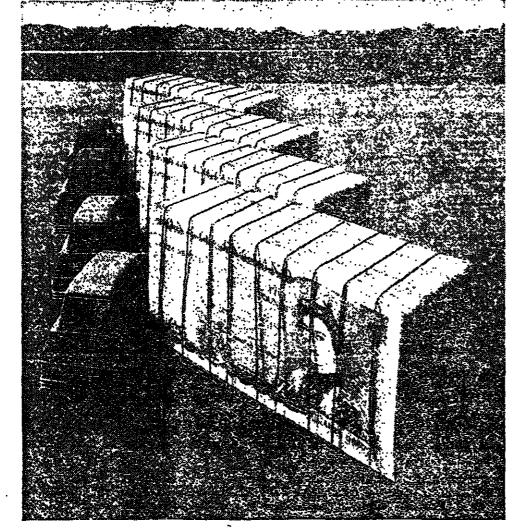
single items. This is ideal for any distribution centre handling machines launched at Movement any launched at Movement and launched at launched at launched at launched at launched at launched at ceuticals, films, tobacco products is a universal narrow-sisle track and so on. The claim-is that from Narrow Aisle (U.K.) it is an economical and practical which same to combine the way of having automatic order virtues of the reach truck and selection of items of both regu- the narrow-aisle stacker. The lar and irregular shapes in less- truck can be used as a reach truck in the normal way, has Another product which when used for narroweisle caused some favourable comment in the materials handling stacker by having a much industry and which was intro-duced at the show was the Hi-sary transfer gangers of the Racker developed by Barlow is only 60 per cent. of that of

Materials is still possible to succeed with

Sad to say, customers tend to

Kenneth Gooding

There are better ways to Movement by pipeline WITH THE first oil due to lines to link northern fields like appear in be the most promising be carried to St. Fergus. Thus arrive at the Sullom Voe ter- Thistle, Ninian and Murchison way of collecting the gas from as part of the £5bm scheme a minual in the Shetland Islands to the Brent system, in the early summer, the first and Tartan among others to the the Government is also study included that would gran stage of one of the biggest pine. This limited first ing observations. have the fleet you need.

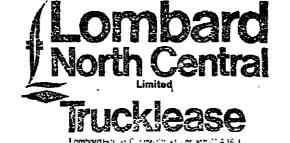


These days Companies that can justify paying cash for a fleet of trucks are few and far between.

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Consider Trucklease as an alternative funding option. Trucklease is a complete leasing package for fleet operators backed by the expertise and immense resources of Lombard North Central, a member of the National Westminster Bank Group. With known rental commitments, Trucklease will enable you to plan more accurately whilst conserving your capital for other needs.

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pipelines will eventually turn flaring. the largest discovery in U.K. be the operator. waters, will arrive.

ashore around the North Sea, which is and flared. currently being studied by a company set up by the Govern- Quadrant ment. Gas Gathering Pipelines (North Sea) is a consultative

stage of a pipeline network Thelma and others close to the costing an estimated £250m: U.K./Norwegian median line. More time might well be Another line could go south

This initial programme would 1990s. involve the building of spur- Pipelines might at first sight

inder construction.

pipelines now run from the Much of the gas will be pro- offshore, and Preece Cardew energy-hungry continental margroups of fields around Brent duced along with the oil. A and Rider is examing the use ket and Ninian reaching separate number of the fields that could of gas for offshore power. The existence of North Sea landfalls on the mainland of be brought into the initial first generation. As Dr. Dickson oil and gas is of major import-Shetland. They serve as a major phase of the programme are due Mahon, the Minister of State ance for the pipeline industry. reminder of the importance and to come on stream in the next for Energy, has pointed out, and just on the basis of existing advantages of pipelines for the couple of years so the limited "the total quantity of associated programmes the network should transmission of liquids and gas gathering network would gas is very large, the fact that reach 2,000 miles by 1980. Un have to be built quickly if the it occurs in many small accomu- fortunately from the U.K.

platform, some 100 miles to the important business opportunity whether the main gathering ably influenced by the possible north-east of Shetland and this for the pipeline industry, but scheme goes ahead is the atti- gas gathering network, should will then be followed by pro- major questions are still to be tude of the Norwegian Govern- ensure that a bigger percentage duction from the Heather Field answered. It is, for instance, ment, for the economics of the of future work remains in the and in the autumn the first unclear as to who would pay network could be enhanced if U.K.

But this scheme is almost the Norwegian sector could also it will eventually have a pipe-By the time the U.K reaches insignificant beside the larger self-sufficiency in oil in 1979-80 £5bn. complex. The cost has most of its supplies will be escalated dramatically since the through first evaluation was carried out hundreds of miles of pipelines by Williams Merz nearly two through the Brent, Ninian, years ago. Their report sug-Forties and Piper systems, gested that a fairly comprehen-Added to this almost the entire sive gathering system capable supply of "atural gas to the of handling between 1bn. and U.K. is brought ashore by pipe- 1.5bn, cubic feet a day of gas line, either from the clutch of and 6m. to 9m. tonnes a year fields in the southern sector of of heavy gases could be con-the North Sea developed in the structed for £1.6bn. to £2bn. 1960s. or as will increasingly Several of the participants in be the case, from the large the latest study are far from northern fields Frigg and Brent convinced that such an ambi-Considerable though these tious, costly project is worthachievements might be, how- while, but it is known that there ever, they pale when put is considerable political sym-against the ambitious £5bn. pathy for the project and it is pipeline scheme to collect North plain that the Government does Sea gas from many pockets not want to see the gas wasted

So the scheme that is now company with both private and being evaluated could include State-owned interests. Its final the construction of a new trunk report on the options open to line running from St. Fergus the Government is expected in to a point north of the Forties the spring, but the preliminary Field. From here one line could report presented two months run northwards possibly collectago recommended that a start ing gas from fields in quadrant should be made on the first 16 such as Maureen, Brae and U.K./Norwegian median line.

needed to study the merits of a towards the Lomond Field. One much bigger collection system, of the major problems, however, but it seems almost certain that is that the reservoir characterthe Government will sanction istics of the fields that would the construction of an initial be tapped by such a network system based on the Frigg gas are all different, and so at this line, already in operation, and stage it is difficult to foresee the Brent gas line that is now what type of pipeline might be built in the late 1980s or early

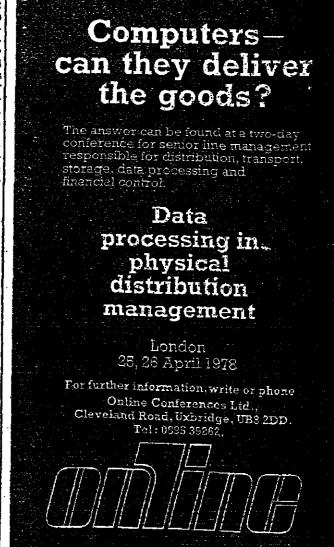
stage of one of the biggest pipe. Frigg line. This limited first ing alternatives. David Brown through Britain with a cross line networks in the North Sea stage appears to be necessary if Vosper Offshore has been com- Channel link to France and will gradually be brought into oil companies are to avoid missioned to study the possi- Belgium. This would give the service later this year. Two flaring and wasting natural gas, bility of liquelying natural gas Norwegians access to the

Oil flowing through these Government is to avoid further rations poses considerable prob-balance of payments point of lems when trying to devise an view only a small percent

the Sullom Voe terminal into This part of the project might economic pipeline system. We of the main offshore pipework the biggest of its kind in be approved in the first half of have therefore been investi has been manufactured in Europe. The first oil through this year so that it could be in gating other possible methods Britain. However, British the terminal will come from operation by 1980. Even the of transporting the gas ashore." Steel's final entry into the the Ninian Field's southern mini-network will represent an One important factor in market for heavy pipes presum-

supplies from the Brent Field, for the network and who would gas from the median-line Stat- Onshore the UK-15-slowly fjord Field and other finds in moving towards the point where

CONTINUED ON NEXT PAGE



Bemusing choice for users

se transport fleet. th, in many businesses, does often command a high and Integral inuing priority in the allo. n of senior managerial time

E MOVEMENT, storage, and bution: after all, the money it final point of distribution in sales and close stock control to Examples are always invi- not the time—or it is hard to

re parts has been rising it is worth going on running of this adjunct of a business to shopping centre.

rply, and so have the over- one's own distribution fleet be realised. None of these
ds and cost in management rather than contracting more of activities can be considered in

Prompter e of running one's own in the business out particularly in isolation. They are all part of Prompted se transport fleet these days of increasingly the balanced mix in a comis an area where manufact onerous penalties for faulty pany's business strategy. Ts and distributors are pre-maintenance or operation of This approach to the role of ed with a bemusing choice lorry fleets. But, generally, physical distribution manage-

n the pressures for cost that needs to be looked at as igs is on, distribution will a whole embracing the entire xpected to make its contri- flow from raw materials to the

or improvements in customer It is, however, much more PDM seriously. In many in-

s taken on for the purpose. of any business. It is a process purchases, upon high volume forth.

tres are hard to come by distribution facilities may be a chandising, and customer ser- developments have in turn been tive both of a consumer-goods service.

the best estimates suggest factor that is taken into vice associated with a large-scale re- group and a specialised trans- This

In other instances, a new different services by an there is still a widespread tendment may not be universally by changes in the nature of easingly specialised and ency to regard transport and evident, but is also far from services offered by outside cartors. And it is an activity unto itself.

ment may not be universally by changes in the nature of services offered by outside cartiers. A growing number of amples of companies which service-or both-by taking of particular customers or particular sectors of industry. than that. It is much more stances, they were prompted by Many are also providing a full have a relative wealth of manmany firms, distribution is than a support service for the ocess which looks after the marketing effort—a service that taken place in the marketing including not only delivery but on such matters. Companies condistribution—or rather physical ocess which looks after the marketing effort—a service that of moving supplies into the aims to operate at maximum and retail distribution of manufactured food and other branded reliability for the lowest possout to the customer or sible cost. Physical distribution so the customer or sible cost. Physical distribution adopt the which ordered them. It management—to adopt the success of these products.

The success of these products and assessments of the effects of busy running his parish and his parish and his parish and his possible cost. The success of these products and assessments of the effects of busy running his parish and his possible cost. The success of these products are advertising the plant taken place in the marketing including not only delivery but on successes. Companies considered should be distribution—or rather physical distribution management—to be considered by sales analyses, cost breakdowns.

The success of these products are physical distribution of manufacture and or collection of the constant and or constant and or collection of the constant and or collection or collection.

The success of these products are collection or collection of the constant and or collection or collection or collection or collection or collection or area with its own peculiar awkward and off-putting termi- depends upon mass advertising changes in packaging, frequen- colleagues in the hierarchy too company's managerial hierplexity of problems which it nology which is increasingly and attractive packaging to cies of delivery, lead times, pressed with their own problems is best delegated to ex-being used—is an integral part build new markets and repeat special promotions, and so lems. Even if the need for a fresh appraisal is felt there is

EMOVEMENT, storage, and obtain: areer au, the money it final point of distribution in sales and close stock control to Lamines are always into not the control to Lamines are always into not the control to Lamines and a major element. When a new factory or plant is inventory management, data a rapid and flexible responsive could be given. But perhaps ferent outside carriers offering Europe. In the U.K. there is already exist in continental ever, this line is currently rundings and a major element. When a new factory or plant is inventory management, data a rapid and flexible responsive could be given. But perhaps ferent outside carriers offering Europe. ning into a lot of local oppositudustrial costs. Reliable being considered, transport and processing, packaging, mer-ness to consumer needs. These one might be cited as illustra-different levels or ranges of an ethylene pipeline crossing and residents. This is where the distribution

of service they could not obtain The consultant may take anypanies in this country, now pro- the options and evaluate them. vides a high-street distribution He will be ready to assist in the new. There are countless ex-amples of companies which have schieved savings in cost more and more specialised ser-rices to meet the requirements and the number of outside con- agerial team to run it. And his in balancing the needs of dif-tracts is growing all the time, fee will be paid for many times ferent sites. If the planned tracts is growing all the time. fee will be paid for many times Companies of Unilever's size over by the savings produced ahead in Fifs it would not be by the changes stimulated by his recommendations.

The first step however is for

an ethylene pipeline crossing and residents. the Pennines from ICI's petro- But it is not t it probably represents account, especially if the suput 8-10 per cent of the total plies required or the products be given as much close conside wholesale and retail distribution. Unilever—a world-wide group own. There are not many in side and also connecting with a supt of manufacture and district to be made are likely to pose considered. This is where the distribution is not only inquited and a specially if the suput 8-10 per cent of the total plies required or the products be given as much close conside wholesale and retail distribution. Unilever—a world-wide group own. There are not many in side and also connecting with of manufacture and distrit to be made are likely to pose eration as marketing and distrition of the small, over in which a single day's delay this country. But the Freight side and also connecting with tries which depend on the ion. It is an area of activity a problem—as, to give an extransport as indication as maketing and distri—the decime of the small, over in which a single day's delay fills country. But the Freight Shell installations at Carring constant deplete of raw are cost pressures have been treme example, at a steel works related to them and them to of the self-service store, the tion would require an extra representative body for industion. Now a second pipeline is materials such as coal, ores or less strong than in other or power station. less strong than in other or power station.

it, and in which the full range supermarket, the multiple, dissin recent years. The cost Consideration may even be of options needs to be consideration house, cash-and-carry. Unilever's transport interests services, is now running a confuel, vehicles, drivers, and given to the question of whether ered afresh, for the full value hypermarket, and out-of-town
re parts has been rising it is worth going on running of this adjunct of a business to shopping centre.

The cost Consideration may even be of options needs to be consideration house, cash-and-carry. Unilever's transport interests services, is now running a confuel, vehicles, drivers, and given to the question of whether ered afresh, for the full value hypermarket, and out-of-town
re parts has been rising it is worth going on running of this adjunct of a business to shopping centre.

The cost Consideration may even be of options needs to be considered to the multiple, disfilem, worth of stock. Most of trial users of freight transport interests services, is now running a confuel, vehicles, drivers, and given to the question of whether ered afresh, for the full value hypermarket, and out-of-town
were set up or acquired to prosultancy service in conjunction at Grangemouth on the Firth of lines for the rapid movement
vide the group with a standard with three firms of consultants.

Forth. The 155-mile pipeline of solids. First applications are
vide the group with a standard with three firms of consultants are consultants.

Forth. The 155-mile pipeline of solids. Forth the transport
vide the group with a standard with three firms of consultants are consultants.

Forth. The 155-mile pipeline of solids. Forth the transport
vide the group with a standard with three firms of consultants are consultants.

Forth the consultant was take anyelsewhere. They soon moved on thing up to a year to complete part of a £150m. scheme which of bulk solids, such as coal, infrom storage and delivery to the his investigation. But at the end provision of a whole range of of that time the consultant will 500,000 tonnes a year ethylene feasibility studies have been conservices, and this in turn led have acquired a comprehensive plant. This complex should ducted for uses such as the reappreciation of the role of to the provision of similar grasp or his client's operations come on stream towards the moval of colliery spoil. It has physical distribution manage services for outside customers, and its management and moniment may have been prompted SPD, one of the Unilever com- toring systems. He will present the pipeline will give the rail facilities are lacking it is

welcome new flexibility in especially in difficult country. moving around the country large tonnages of ethylene and surprising if this were to be in the transport of refined joined by a short pipeline petroleum products in the U.K. across the Forth to the BP site. And with systems for the movethus connecting both Shell and ment of solids such as iron ore. Esso to the northern end of the mixed in a slurry with iron

The proposed Mossmorran plant is to be joined to its feed-lines are set for an era of major stock source via a 135-mile pipe-line to St. Fergus, near Peter-

Pipeline

CONTINUED FROM PREVIOUS PAGE

line network for the most natural gas liquids, ethane, important petrochemical build- butane and propane from the ing block, ethylene. Such grids North Sea Brent Field. How-

But it is not only liquids and chemical companies involved a cheaper to install pipelines,

> pipelines in the U.K. may he share of more than 18 per cent. sand and water, already in use in Peru and New Zealand, pipe-

> > Kevin Done

Major role for forwarders

f successive Chancellors of packing. Exchequer has been to for action into actual standing performer" a leading role.

rder must be responsible ments Jordans. providing the range of The industry itself is at a other aspects of their costs and competition.

national trading. capacity to develop Replace ngly on the ability to way be influenced by the house computer system.

f distribution.

dity. speed, and economy tion. pre-booking and co- A detailed study of the over tion of transport and all forwarding requirements for

Customs clearance. toms where required. es when required, such as the leadership of the Institute.

m world markets, and

-concerning in procedures. freight forwarding induscompanies, which inhowever, some of in the industry.

rding to a recent survey freight forwarders by re that airfreight comare smaller, less s, and also less profitid companies." But it rider that the sample small to place any significance on the

may also be the case that vately owned companies primarily concerned to se profits, and for this s would not explain, of decision-making i why as many as 49 of companies reviewed taining losses according

latest years' accounts,' if the few quoted comdirectly involved in forwarding is the Lep which has over 30 offices out the U.K. and a netof associated companies igents throughout the It also has a number of companies which look

ich ancillary services as

TRADITIONAL rallying insurance, chartering,

has been to Of the private companies re industry to viewed by the Jordans survey t more. Yet it takes a lot it selects Mann and Son than words to convert this (London) "as being the outts. One of the most im-though its activities were not factors - if not the confined to freight forwarding. al one — is the ability of "Not only did this company anies to get their products achieve a sharp improvement in leir destination. In this profits in 1975-76, but its sales ise the freight forwarder improved steadily and its bank borrowings were sharply re international freight duced during the year," com-

e and service to companies crucial period in its developthem mainly with their technological developments and bution problems but also the pressures caused by rising

For example, the Customs and nise and to respond im- Excise is planning to replace tely to short-term market the LACES air cargo data pro tunities. The maximising cessing system with the updated ifit in a market may in no ACP 80, as well as their own in

The industry is well served re are seven main func- by the Institute of Freight Forwhich the efficient freight warders which is helping its rder has to carry out 2,700 individual and 620 corporate members to maintain planning and costing of control over the pattern of deby land, sea, or air, to velopments which are pointing e the correct blend of the industry in a new direc-

the next decade had identified preparation of docu- the real training needs of the tion relating to shipping future. Consequently the Gov ernment's Training Services presentation of goods Agency has just set up the international freight forwarding provision of ancillary industrial training council under

g, warehousing, marine The setting up of a training council, however, does not mean provision of advice to that the Institute will cease to ters and exporters con- have its own education and distribution links to training committee which pro vides its present training needs provision of quotations This will continue but will work ng to buying or selling closely with the new council The Institute is also reviewing any its membership pattern and the membership as part of the over dominated by privately- all package of training and other changes which are being introduced.

The Institute is also keen to see much tighter controls exer cised over people who operate forwarding services without any proper qualification or backing But it acknowledges that the Dataguest. "the implica- final arbiter of standards in the industry is the user.
But if companies

freight forwarding services base average than the surface their decisions on price rather than service, and professional expertise, then standards will suffer. The Institute points out that far too many organisations judge their own shipping department's performance on the actual cost of freight charges to send their goods overseas: But this is only one narrow element the profit margins are of decision-making in the overall

The question remains whether the U.K. freight forwarding industry may be subjected to Government intervention in the form of a licensing system, as operates in the U.S. The Government is understood at present to be reluctant to bring in legislation on this issue. But the EEC is also looking at the problem of regularising the activities of freight forwarders between

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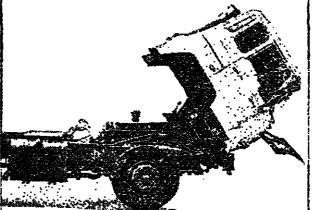


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And they're superbly comfortable. The 64° tilt cab is roomy and well designed and is



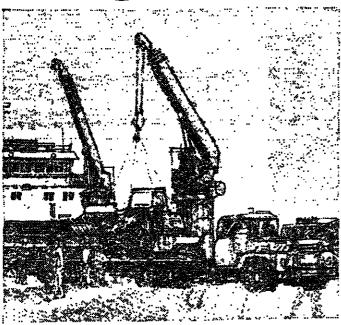
impressively equipped, giving drivers everything they need. Standard fittings include a suspension seat and even a radio. The R38 models have sleeper cabs.

The new Dodge 300 Series range comprises: R36: 36.5 tonne GCW tractor unit. R38: 38 tonne GCW tractor unit.

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Freighting to Road hauliers in low spirits Niceria?

relief among Ministers and in-entrants into a profession which fleets totalling fewer than six Britain's road hauliers are feel- limited skills. ing in low spirits.

lands, has run into Government restrictive practices industry's leaders say that user blacklist problems because it debate against the alternative, own information puts beyond could find no concerted way of forthrightly argued by the doubt the claim that hauliers' resisting the pressure for a 15 transport users' group, the charges are far from keeping per cent. settlement from a sec- Freight Transport Association, pace with inflation, tion of the transport workers for the continuance of the prenoted for its toughness. Another sent system in the interests of This raises the question of costs increasing out of line with other industries at a time when Forged margins are too fine for comfort anyway, while yet another section has dug its heels in over

in the trough of recession and did join ranks with those who So far there has been less president of the Road Haulage justified.

but he purch-drunk with the pace of did join ranks with those who So far there has been less president of the Road Haulage justified.

but he purch-drunk with the pace of loudly urging the industry hard evidence that the industry Association, said not long ago Within the Transport Bill in the response to the respon ment. The heavy lorry and its to adopt replacement cost spare parts have increased in accounting TDG's return on price by hetween 150 and 200 assets, including that in its imper cent. in six years. It is not surprising that in was 15 per cent, in 1976. An-

portant non-haulage business.

have

this climate remedies which other large haulier says it now appear desperate to outsiders requires a 20 per cent, return are being sought. The recently compared with 14 per cent. appointed Foster committee of three years ago. inquiry into operators' licensing. No one really knows to what will hear many demands for a extent these warnings, which return to something like the have been the subject of a pre-1968 licensing regime, when thorough Road Haulage Associapublic hauliers were protected tion campaign in the last against competition from own 12 months, account fleets; pleas for mini- heeded, especially by the mum tariffs in the industry and owners of the almost 40 per

dustrialists that the ten per remains one of the most inviting lorries. The Freight Transport cent. pay guideline looks in for the entrepreneur with Association's monitor of haulage creasingly as if it will stick limited financial backing and rates suggests that last year hauliers priced a couple of It will be for Professor points ahead of inflation and One section of the industry, Foster and his team to assess predominantly that in the Mid- the desirability of the various within the NFC have been predominantly that in the Mid- the desirability of the various pricing aggressively. But the lands, has run into Government restrictive practices under industry's leaders say that their

In looking at the details of Probably the answer is that the 10 per cent, and provoked operators' licensing, the com- corners have been cut on mittee will also no doubt be maintenance and, among the mainly to do with inability or gested that allowing for a divi-year, a pick-up in the market investigated by the Price Com- Mr. James Duncan, chairman of Given recent rates of inflation, one of Britain's most success, it is probably sound practice to If these developments were ful hauhers, the Transport De keep the age profile of a fleet

AMID THE general sighs of for control over the flow of cent. of vehicles which are in

section, which still has not keeping transport costs to a how hauliers are actually settled is wondering at the finan-minimum within the bounds of cial consequences of its labour safe and efficient operation. ruptcles was one of the worst in 1976, it is hardly a large proportion of the almost 40,000 operators.

All this has happened at a time when the industry is in a hauliers' case has been forged state of some disarray. It has lost its wages council, without inding any central bargaining alternative: it has lost its fight against EEC drivers' hours and faces the consequential crosson of productivity: it has lost its argument with Government that lorries are overtaxed and it has lost its argument with Government that lorries are overtaxed and it has lost its fight lost the last vestiges of any.

All this has happened at a bearing in mind the economic small operators, overheads will have been reduced and payrolls tout. Total employment by road hauliers case has been forged that have been reduced and payrolls the last three years. Precise the end of some disarray. It has lost its fight against EEC drivers' hours and faces the consequential crossion of productivity: it has lost its fight against EEC drivers' hours and large to the face twents questions that lost its argument with Government that lorries are overtaxed and it has lost its argument with Government that lorries are overtaxed and it has lost its fight against EEC drivers' hours and large to the face twents of the face twents questions of the last vestices of any of which are played of around 11 per cent.

All this has happened at a small operators, overheads will have been reduced and payrolls turb last of some disarray. It has lost its fight have been reduced and payrolls that the three factors together now before Parliament, there has been clamour that it is about to do so through what is about to do lorries are overtaxed and it has proved as vary on what constitution only go so far without easy that they can count on which has already placed it, "civilise the heavy lorry." lost the last vestiges of any Views vary on what constitution of the heavy lorry,", ability for central guidance on tutes an adequate return. The disastrous consequences in holding that settlement for a serious restrictions on long Many hauliers do not object to tariffs. Marcover, as a sequel to chief executive of the National terms of efficiency and ultiple several of these events, although Freight Corporation has supposed to the last stantially overturned elsewhere vehicles. unwillingness to obey the 10 per dend payment of 10 per cent, suggests this point has been the edge, cent, limit, the industry is being the target should be 53 per cent. Given recent water of industry is dead to investigated by the Price Com. Mr. James Points of the Civen recent water of industry. Added to

-will push some hauliers over

like the economy in general, still some a specific target in a recent an average of three years only. Silbermann, a national vice- basis of which it would be cuts in the road building; in the trough of recession and did join make with the road building;

Added to these most pressing not be surprised to find a is not offering much in return, difficulties of the economic further increase in vehicle what they would like most as scene and price/pay code problems, the industry does not feel lorries in April's Budget, it is getting much support for although it entirely release to maximum rehicle witches. If these developments were run namers, the transport De to a minimum. P and O Road it is getting much support from although it entirely rejects the maximum vehicle weights and, not enough, road haulage is, velopment Group, did not menservices, for example, runs at the legislators. Mr. John road track calculations on the less urgently, a re-think of the like the economy in general, still ravious of the subject has an average of three years only. Support from road track calculations on the less urgently, a re-think of the

In addition, the industry will they feel that the Government

Highways programme to run piecemeal

transport revolution. roads and road transport-or, to could circulate? generated social pressures and numbers of cars and vans. other played a part in setting show a 10 per cent fall in the

port was developed. We can even find similar argu- has in fact increased. said about the railways.

Peaked

To this extent, therefore, we ought not to be surprised by the fact that the volume of road networks have been laid down ane's own transport has become close to being a reality for most businesses and households, then the pace of new construction is bound to begin easing off.

surprised by the welter of ported. criticism which road building

which they are being cut. opposition was stimulated by been even greater. the particular manner in which engineers, led to dizzy uncertain,

IT IS a curious coincidence ideas about carving magnificent. The programme, last year's. The critics of road building that the middle decades of this new concrete expressways transport policy White Paper may say it is all very well basand the two previous centuries through our congested cities, declared, will now be a flexible ing priorities upon industrial. should all have witnessed a Was it not Dr. Buchanan who one. Routes are to be improved regional and environmental con-Two argued that this was the way to piecemeal with different siderations but road users-inhundred years ago the age of preserve the urban environ-stretches being improved in dif-cluding road carriers especially canal building was in full swing, ment, just as the way to safe-ferent phases to differing —must pay their full proper Lest century was the age of guard the peace of a hospital standards. Parts: of some share of the costs of the infrarailway building. This century ward was by having corridors schemes will be built to motor, structure they use. In principle the major change has been in through which staff and visitors way standards and other parts there is everything to be said

criticism which to one degree or Indeed, the actual figures pected.

limits to the extent and rate to number of forries of more than Peculiar which the new mode of trans- 1! tonnes unladen weight in the last ten years, a period during It we look back to see what which freight ton-mileage by

ingly posing to the economics of moving freight.

construction of new roads may another to the decline in the the private sector). promise both social and econo- roads programme. In the past Furthermore, the reductions change between a boom and a mic benefits to those who will four years expenditure on new in spending have had the effect mic benefits to those who will four years expendent and cenuse them—including, one must construction by local and cenof delaying even further the charged on a "pay-as-you-go",
add, the benefit of cheaper and tral government has been achievement of the Governor "public enterprise" basis speedier deliveries to shops and reduced by 40 per cent in real ment's own current road prostores. But the process causes terms and expenditure on main-gramme priorities. The regional very considerable disturbance tenance has been cut back by needs of Scotland and Wales to the communities through 20 per cent. Compared with have to a large extent been in-To some extent, too, the the cut-backs have of course those of the South-East. The

read planners set about their 1970s, the construction of some towards East. Anglia, which task in the 1950s and 1960s, 3,500 miles of strategic routes featured in the original 1,000 freight is now expected to meet They tended to build roads on -motorways and dual carriage miles target of the Macmillan only its "avoidable costs", it They lended to build roads on _______ avoidable costs . It the cheap to suit civil and traffic ways—was envisaged by the Government, will now not be makes hardly any contribution the cheap to suit civil and traine ways 1980s and a total of 4.200 completed before the mid-1980s. makes hardly any contribution engineering considerations and early 1980s and a total of 4.200 completed before the mid-1980s. to rail track costs, indeed, these engineering considerations and the miles by the mid-1980s. By The improvement of routes to to rail track costs indeed, these with insufficient regard for the miles by the mid-1980s. By The improvement of routes to costs for both freight and pasimpact they would have upon the mid-1970s the initial target ports, such as Southampton costs for both freight and pas-the neighbouring environment had been reduced to 3,100 miles Harwich, Tilbury and Folke wholly borne by the targeter. the neighbouring environment that over resource to second half stone, is still a long way short wholly borne by the taxpayer, including, in several instances, and deferred to the second half stone, is still a long way short. One may be included to accept the well-being of those who of the 1980s which the later tare of becoming a reality. The in-I wed or worked in "riparian" get of U.S. miles had been put dustrial needs of the Midlands promises. The early wave of off to the 1930s. To-day, with have still to be properly served, of trying the apply the track enthusiasm for road-building, some 2,500 miles of motorway and there are a very large which intected politicians and and dual carriageway roads in number of towns and villages. the public generally as well as use, the targets are even more awaiting to be relieved by by-

be more precise perhaps, in the Other factors contributed too single carriageway standard. On have regard for the practicaliavailability of private transport -for example, the trend some routes it will be a case of ties.

for the individual business or towards larger lorries (some a staggered construction of by-None of these thing else to which the passes around the worst trouble late precisely what each mode revolutions lasted for very long, politicians initially gave their spots, leaving the gaps in and what each user should bear. There was a great flurry of new blessing). Bigger vehicles between to be tackled later—if Attempts have been made for construction—on the Continent helped road carriers to limit the at all. In any case, following a well over two decades both here as well as in Britain-which growth in the size of their fleets, decision announced a couple of and on the Continent to-arrive after a few decades peaked out far more so than the growth in years ago, new roads are now at a workable formula for idenand gradually waned. Each of the volume of freight they being built to reduced design tifying, measuring, and allocatthese revolutions in turn carried as well as in the standards in relation to the ingroad track costs. Even if the volumes of traffic that are ex. direct costs-construction, main-

It is difficult to resist the conthe Victorians were writing and road grew by 30 per cent, and saying, for example, we can the number of cars and vans come across much of the same increased by 55 per cent. But, case for a particular size of such as noise, pollution and kind of environmental criticisms perhaps because to-day's lorries of the railway builders as are are bigger, there is a wide programme may not be an easy try to evaluate and charge new levied at the road planners, spread belief that the number one to establish. But it always these, or would the better apments being made about the Then there was the shock of to argue, as Ministers did, that lems directly through progresneed to preserve and make the OPEC oil cartel and, the investment in new roads should sive improvements in vehicle fuller use of canals as are now sudden realisation that perhaps be cut back in order to make technology and design? Where one day the supply of fossil more resources available for would the incentive for imfuels—especially oil—might be the subsidisation of bus and provement be if these aspects exhausted; the desperate search rail passenger operation, when were subsumed in vehicle and for public expenditure cuts at a line case for these subsidies fuel taxation? Is it not better to time when road-building no rested upon the need to assist set progressively higher stanlonger won many votes: the de. public transport against the dards through logislation. The sire to ease by subsidies and competition of the private car cost of improvements and the

tion: and the growing doubt suspect that road-building be-noise and pollution would have about the ways in which the case came a natural target for spend- been reduced. for particular new road schemes ing cuts because it was capital. Furthermore, it is not the have been evaluated and pre-expenditure; and it is always road-carriers fault if the ratio. sented, doubts which the recent much easier politically for gov. between track costs and fuel Nor should one be altogether Leitch report has in part sup-ernments to cut back on capital and vehicle in ation falls. It is expenditure rather than current the fault of governments for All these factors have con-expenditure (and thereby pass failing to adjust these taxes in has aroused. The planning and tributed to one degree or the problems of redundancy to line with the rate of inflation.

> M25 - orbital route around At one time in the early Greater London and the Mil

to dual carriageway or even for this last point. But one must

tenance, policing, accidents and so forth-can be identified and measured, the allocation between and within different categories of users is bound to be

Then there is the question of the indirect or external costs seemed a poculiar form of logic proach be to tackle these probbuilding has peaked out or is likely soon to peak out in most industrialised countries as well and trasel to work was inverse, expedite and cheapen the cost this for this matter and trasel to work was inverse, expedite and cheapen the cost this for this matterialised. and travel to work was increase expedite and cheapen the cost thus by his customers, which means you and me). But in and the aspiration of having of hus and rail passenger opera-

wholly borne by the taxpayer.

In any case, the ratio can recession, as well as according to whether road investment is Above all, the idea of charging track costs through the taxation system is intended to provide a planned levels of expenditure, sulated from the cuts but not live opportunity to all freight carriers, irrespective of mode, rather than simply to protect railways.

costs approach with any degree

Freightliner guilty of exploitation?



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FREIGHT AND TRANSPORT SYSTEMS

Developments in road transport

waster conditions in this could become a key route year.

If producing countries to West Africa, although nothing As the department points out. The most recent negotiations haves, the basic objections has yet happened there to any new companies is extremely Syria and Jordan, and meetings

r's point of view, the strong. s will continue for the of changing. co-operation the future. It will The most consistent cause of rail systems.

COMBINATION of more queue of countries seeking bi- Half of quota increases is now such an extent that in the trade with Europe and lateral agreements," it said. used to improve the existing summer of 1976 its use had to

dor road transport to are the negotiation of agree-half to admit companies with-pressure on the Hungarian conditions resulting in Soviet. Union and a large opportunities for growth to were subsequently eased later through European countries to the east those already in the market and in the year, it became clear that through European countries from Turkey to Afghaniat the same time admitting new Austrian and Hungarian permits for which the countries is also companies. bugh the difficulties of watching developments in north policy was have been lessened by west Africa on the grounds that Policy

of environmental countries send virtually no available. The first of these deagreement has been reached vehicles to the U.K., so the cisions is whether to give relatively operating from the

has increased the need place with the Republic of thinly among a larger number. The department has also s of cost to get the right Ireland where, until recently, of companies. The decision as received a surprise approach ation. This choice de the balance of advantage to which operators should be from Afghanistan to negotiate an anumber of factors appeared to lie in not having an chosen is even more difficult. an agreement, largely because type of goods concerned, since in practice most British by the department is to assist transporting exports such as riew of the Department hauliers could obtain licences those companies which have skins and similar goods overisport on the future of from Dublin without difficulty, demonstrated some degree of land through Europe. Cyprus perations is that permit but this position has shown signs self-help, particularly by use of has made a similar approach for

interpretation.

epartment, in its impor- vehicles should be fully loosed at least allowed into the market. in an increase of 30 per cent, in as mediator on routes, in each direction with goods of One of the most important the quota and a generally more uing to anticipate areas the highest value and the recent developments has been relaxed attitude on their part 1 difficulties may arise original allocation system sought the increased traffic through e. It said in a recent to put these principles into East Germany (the German at present is the attitude of n permits that experi- practice. But as traffic volumes Democratic Republic). This Austria, which is seeking to s shown that a sudden grew the system was found to growth was encouraged by the impose a large increase in tax

extremely short notice, tion system, based on the terminal, with a substantial the meantime bringing consider-this happens those number of permits received in increase in the price charged, able pressure to bear on the without bilateral previous years. But this, too. Of the countries on the route Austrians and has made hints its are at a double dis- presented a major problem by only Hungary imposed a quota, that EEC aid for infrastructure e; they have no legal creating a closed shop of exist- of which in previous years only developments may be available protection against the ing operators—one which in about one per cent, had been if a softer line is taken. isures and find them-turn was partially resolved by used by British operators. Howthe end of a long the use of increases in quotas. ever, use of that route grew to

ling, though less urgent. The most recent developments block allocations and the other be restricted because of

atries with heavy transit great extent.

new companies is extremely Syria and Jordan, and meeting have not changed. If As in European countries, the difficult, given that only a with representatives of each have not changed. If As in European countries, the difficult, given that only a with representatives of each have not changed. also clear that from the U.K.'s bargaining position is not tively few operators a relatively start of this year, which prolarge number of permits or vides a quota large enough for of different transport. Discussions have also taken whether to share them more British needs.

co-operation quotas or the road-negotiations.

contractors to continue allocation of permits, on which stantial easing of the French has been the 20 per cent. icipate in co-operation the Department of Transport's quota, an experiment was increase in the EEC quota, the and use road-rail ser- stated aim is to get the best use attempted under which any first since the 1975 ruling which their operations are not out of the scarce permits avail- operator who chose to apply pegged the number of permits stricted.

Their operations are not out of the scarce permits avail- operator who chose to apply pegged the number of permits able. However, this policy is was given eight French permits. at 272. A meeting with Italian open to a certain degree of More than 1,000 companies did representatives has also taken so and, despite complaints about place, again for the first time Ideally, it is suggested, the limited number, they were in three years, which resulted

would have to be added to those for which annual allocation

e be necessary for discontent among haullers is the In 1976, however, after a sub-significant change for some time

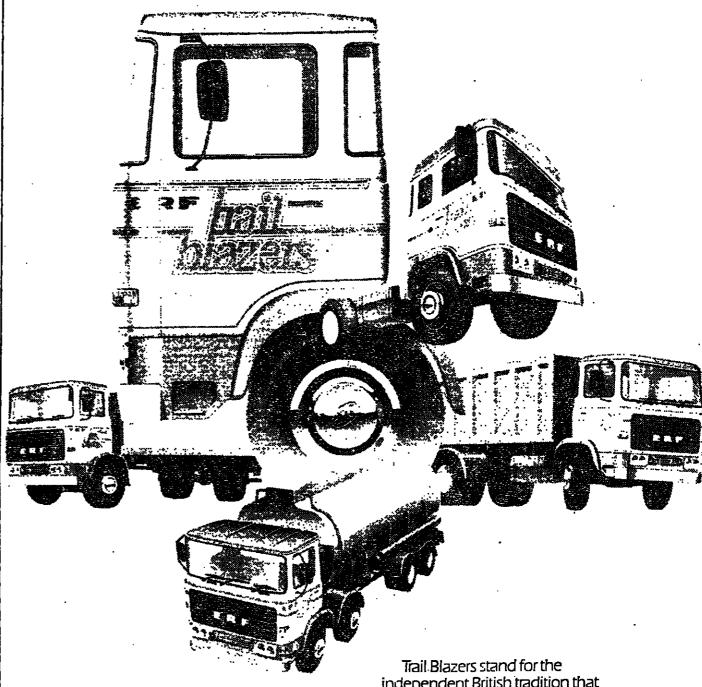
of road traffic can lead be too cumbersome.

The was therefore progressively Munich of the W. German is passed by the Australia capacity restrictions.

The capacity restrictions, replaced with the block alloca. Federal Railway's piggy-back trian Parliament. The EEC is in

Lorne Barling

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Trucks of the future

1978 are anything to go he heavy goods vehicle as come through the of the end of 1977 and the growth trend it lished for most of the ad of that. This is rice rises, increased costs and the prospect antial increases in

ector has tried to car-producing y venturing the hope increases in vehicles be kept to two a year again as with cars, ing up four times a he industry struggled vith high inflation in basically a depressed

all-important facing the industry are the extent of the recovery, the extent to and which truck comfort as apply to cars.

revolution in the lorries. of comfort provided ivers. Previously the Methods.

manufacturers setting much for too long.

Demountable refrigerated box van bodies by Crane Fruehauf Rigids. This particular consignment, destined for Iran, has refrigerated devices in the side walls

which are completely self-regulating.

where commercial vehicle manu- ever, and is also dependent on diesel power-packs for refrigerafacturers will be working to a good marriage with the right tion such at Petter-while at at will benefit truck the same standards of driver gearbox, axles and tyres.

product, the market at reached an acceptable standard at the heavy end. end has become a of cab comfort, at which point. At the moment the strongest in huying has been caused by a nd in which the Euro- other considerations will come rumour of many that have number of people coming into

harvest, at least in market penetration if s in profits

ECC Commission over the years replacing their vehicles for as is that some surt of consensus is is that some surt of consensus is long as possible but can hold off no longer. This has been helped by optimistic noises from the week, with Leyland pronew version of the for the recent truck time lost in waiting for parts.

Amsterdam and aving already updated aving already updated The smaller probability for the recent truck time lost in waiting for parts.

Amsterdam and aving already updated The smaller probability and service back-up.

This is happening in Britain

This is happening in Britain

Already in Europe one of the EEC Commission over the years replacing their vehicles for as is that some surt of consensus is long as possible but can hold off no longer. This has been helped by optimistic noises from the market who have held off replacing their vehicles for as is that some surt of consensus is long as possible but can hold off no longer. This has been helped by optimistic noises from the depths of the EEC Commission over the years replacing their vehicles for as long as possible but can hold off no longer. This has been helped by optimistic noises from the best take a long time to ratify and at worst will be thrown back into the melting pot.

There is also a wish among both tractor and trailer manufacturers to move where possible to the EEC Commission over the years replacing their vehicles for as long as possible but can hold off no longer. This has been helped by optimistic noises from the depths of the EEC Commission over the years long as possible but can hold off no longer. This has been helped by optimistic noises from the depths of the EEC Commission over the years long as possible but can hold off no longer. This has been helped by optimistic noises from the depths of the EEC Commission over the years long as possible but can hold off no longer. This has been helped by optimistic noises from the mather would for the replacing their vehicles fo

ed the mollycoddling a more traditional nature have tunities—but progress is likely large part in making it more ivers, who were ex- also been the order of the day to be slow except in certain acceptable. shake their bodies —sometimes for a distributor it areas like curtain or aluminium. Must people do not want their eardrums to is worthwhile making very little sided tilts which are used on a heavy lorries in the centre of n, freezing in the profit on the initial tractor sale pan-European basis.

There is also some growth in most lorry drivers would rather the summer.

There is also some growth in most lorry drivers would rather the market for demountable avoid going into them.

gher standards, cab In the meantime engine are a serious challenge.

have been improved manufacturers seek to improve

J.K. industry has now the fuel consumption figures—

an increasing amount of legislation make advances in these
ght up. This is likely Cummins for instance recently tion, particularly where a lorry directions. If for no other te downwards so that introduced a big-cam version of is being used to transport food. reason success with one or of all cab interiors, their 290 hp engine which the More and more countries now another should produce comshort-haul smaller company claims will improve require refrigeration of more mercial success as a result. likely to improve over miles per gallon by 10 per cent. and more varieties of food-

vill benefit, in the past. At the same time, however, work is being done but perhaps meant that users now want to , although the small- operators are still cost-conscious the single most significant move be able to use them both for ium lorry-buyer has and there will come a time when forward will be European agree- liquid and dry goods. largely faithful to the all manufacturers will have ment on standard specifications. There is some evidence now

emerged from the depths of the the market who have held off

The smaller probut also to build up their spaces facturers to move where possible to Foden, ERF, and and service back-up.

Atkinson have all This is happening in Britain it could be the traditional their vehicles in order too, with most of the major attitude of the operators looking for a bespoke lurry, rather and long-distance transport in hour emergency breakdown serthan the intransigence of heir own chances of vice and a priority parts national legislators, which will be living with big lorries for the Continent.

Whatever happens it seems certain that the heavy goods vehicle will remain the principal means of both medium and long-distance transport in than the intransigence of this country and that we shall be living with big lorries for the Continent.

turers in particular would like protest, it seems that the lorry to see some standardisation— will have to be accommodated recently Crane Freuhauf though its operation is likely to formed Freuhauf Europe to be improved and the routing of were able to adopt a formed Freuhauf Europe to be improved and the routing of valier attitude which. Other persuasive methods of look at overall European opporting roads it uses can play a

as a result of union manufacturers can ill afford to bodies but as an alternative to On the technical side emission ut mainly as a result squeeze their margins by too a fifth wheel articulated trailer and noise controls coupled with it will be some time before they smoother and more economical

five years to the pointThis has yet to be proved, how- good business for the small

the other end of the scale the - In all of these areas more cost of building tankers has

that some of the recent surge

the Continent. delivery service in order to hold up uniformity. some time to come. Although all this activity has persuade buyers to use their Trailer and body manufacthere are periodic outbursts of

their communities, but then

Stuart Alexander

FREIGHT AND TRANSPORT SYSTEMS

Shipowners at odds over policy

AS I watch these two different action will be called for sooner unsuccessful, Britain is now try- developing countries to expand

areas of my responsibility, ship- rather than later. Certainly ing to come up with a new their bulk and general cargo ping and civil aviation. I ask there is agreement that firm and position in time for the June fleets rapidly at a time when ping and civil aviation. I ask there is agreement that arm and position in time for the same neets rapidly at a time when myself whether perhaps ship public commitments to restrain Council of Transport Ministers, virtually every sector of the ping is not moving in the direct expansion must be won from at which Whitehall fears an market is grossly overtonnaged. ping is not moving in the direction of civil aviation, freedom the Russians before the formulation on slaught from the code's sup. The shipbuilders' defence is the Russians before the formulation instead of freedom tion of the next five-year plan porters who are anxious to win that they merely feed and not by right." So said Mr. Edmund to run from 1980. By the end for their own merchant fleets a create the maritime ambilions to run from 1980, a further greater slice of business. Of the developing world, But an address to the General Im. deadweight tons will have On the U.S. front, European whatever the power of the argument of the serious of t the end of last year. The tone is now the sixth largest in the to see the heavy defeat of the serious overcapacity in oil of his speech was one of hints world.

Oil Cargo Preference legislation tankers which developed from rather than proposals, but it. The Western argument is that struck in the direction of a the Russians are using State theme which apart from the struck in the direction the struck in the direction of a the Russians are using State theme which apart from the struck in the direction the struck in the direction that the struck in the trade protection 1973 has showly careful theme. theme which, apart from the financed ships to undercut liner cussions in the trade protection 1973 has slowly spread through

a significant presence in a Europe-Far East trade. number of the world's most lucrative cross-trades.

Surrounded by such diverse but unwilling to produce tan doubt in part this lack of come exposed in the bulk shipping aniagonists. European ship-gible evidence that they intend munication which led to the sector. Only the funds of the owners are having the utmost to restrain their shipping flasco of the Atlantic emer. Norwegian Guarantee Institute difficulty in maintaining a or their railway. The Whitehall gency surcharge to cover ship have so far a reserved widesystematic defence of their view is that this leaves the West owners for losses sustained spread failures among tanker practices and indeed of finding with no alternative but to pre-during last autumn's longshore and bulk ship owners in that anything like basic agreement pare the ground for action men's strike. This levy has been country and the re-scheduling of appears to be general support hope that the evidence of pre-for the proposition for example, paration will itself jar the Rus-test from shippers. for the proposition for example, paration will itself jar the Rus- test from shippers. that the best way to deal with sians into a change of heart. So But at least on these large operators, brought a significant the Eastern bloc threat is by far this preparation has involved scale matters of international shiver to the Far East shipown. mon ground about the funda- against a foreign fleet to take their Government. Even in the Pao through his extensive charmental question of access to them and the Belgians have recent deliberations of the ter ties with Japan Line. trades, as we have seen in the undertaken to fill the remaining Inter - government Maritime sometimes hitter differences of significant gap within the EEC

One of the problems is that "the largest Soviet port in ment shipowners have not tradition. Europe." ally welcomed the attentions of Government other than in strictly defined areas such as safety, crew standards and the uself. In no other industry is haps eventually token acts of shipbuilding.

certain, but if last year was movements. principally one for bilateral

Mr. Richard Burke, the EEC import and export, leaving 20 Britain has been along those under discens, but Transport Commissioner, has per cent. for cross-traders, vigorously resisting such a pro- as world trade-quickens, but the objective is more to France Belgum and Cormany 272mme. said the objective is more to France. Belgium and Germany gramme. repair trade defences within have already signed the code. As shipowners see it, the with her ben, that the relathe Community in order to which is anothems to a country policy of grants and cheap credit tive freedom from Government. negotiate from a position of like Britain whose merchant for ships as exemplified in stakes in slitpping companies strength than to seek a con-fleet is predominantly dependent British Shipbuilders' £115m, and detailed regulation of their frontation, but there is a hody upon cross-trading. Having put deal with Poland and almost rates may be going for ever of opinion among shipowners up several proposals in the past complete orders for India and rates may be gone for ever which believes tougher direct two years, all of them entirely Vietnam, is simply encouraging

general condition of the economy represents the greatest Soviets are members of about a
source of anxiety to shipowners dozen conferences) in order to
The question raises itself from
a variety of angles. On the one
sibly even to undermine the
hand we have the long-drawnout saga of confrontation bechinning. On some routes.

Cussions in the trade protection 1973 has slowly spread through
cussions in the trade protection 1973 has slowly spread through
scenario. But 1978 still holds dry bulk shipping into general
out the threat of the Grand cargo trades. Some shipowners
out the threat of the Grand cargo trades. Some shipowners
into practice of the transatiantic freight conthe transatiantic freight conthe new capacity in the developthe new capacity in the developthis has been a slow-moving ing world is less responsive as out saga of confrontation be-shipping. On some routes a process and even with the the fierce market pressures and the self-regulation of liner has been achieved in a period of shipping through the contract of the self-regulation of liner has been achieved in a period of and the first subposses is subpos shipping through the conthree or four years and in the and the first subpoenas issued, the bulk trades, ference systems: on the other last five years, traffic on the it will probably be six months the free-houting competitiveness. the free-bouting competitiveness Trans Siberian Railway has before the Department of Jusof the Russian merchant marine, quadrupled, amounting now to the makes its representations. Collapses

forts to after Soviet policy-come to grips this year with builders

which has undercut its way to about 15 per cent. of the total in the meantime, shipowners so far, there are few signs of a significant presence in a Europe-Far East trade.

of Trade whose effects were problematic deal with its tanker losses. Once the national powers are Such unanimity is far from be, which the success of the larger

all these issues remains un tions on Comecon shipping to see whether the Brussels tinues at a level too fierce for novements.

Commission can produce an all to survive. It is in the
The EEC will also have to effective formula to get ship.

Middle East, too, where the iso-Ministers from West Germany divisions among its members capacity. Viscount Davignon, the a massive increase in shipping and Britain visited Moscow on over the UNCTAD liner code, EEC Industry Commissioner, services that the old conference the issue-1978 will be the year which enshrines the principle of has declared his favoured target structures have simply failed of forging a common programme a 40/40 seaborne trade share- to be a cut of 46 per cent, in under the strain. out between the countries of overall capacity by 1980, but Many of these problems will, Mr. Richard Burke, the EEC- import and export, leaving 20 Britain has been among those of course, fade in significance.

exchanging views and informa-So far the Russians have tion to the considerable annoy many are predicting a year of shown themselves willing to talk, ance of both sides. It was no collapses among those companies There against the Russians, with the negotiated and re-negotiated as debts at the end of last year by concerted action through the persuading governments which trade U.K. shipowners have ing community, involving even EEC, but there is little come lack powers to discriminate been more or less at one with the Hong Kong magnate Y. K.

Within Britain it is the Consultative Organisation con-smaller and mainly privately over the UNCTAD liner code, upon Antwerp the nickname of and pollution, the Depart under most pressure, although One of the problems is that "the largest Soviet port in negotia one quoted company, Reardon tors had pretty solid backing Smith, has been struggling for a complex package, some of mightily in the past year to

like. Now the industry is faced in the statute books or close to ing the case in one of the mat. British companies has been with a number of international being there, we can expect some ters of most pressing concern founded, face difficulties, not political issues which it does formal declaration of annoyance to shipowners—the nature of only from the Russians, but not possess the power to resolve from the Community and per-Government subsidisation for from niggling port labour problems in container trades and the world-wide debate about discrimination against the About £380m, was spent on from a serious bout of port conprotectionism so pertunently establishment of Eastern bloc such subsidisation within the gestion in West-Africa. In the focused.

The timetable for processing special levies or quota restrict owners are watching anxiously times at a level too fierce for

with Mr. Dell, that the old

Worldwide surplus of bulk carriers

to the pre-sures of a deeply promptness with which the state- ground, for new entrants into But everywhere, there are cyclical trade, are reluctant to owned Japanese Development bulk shipping and there is much more factors generating uncerlabel any one recession as the Bank led a group of commercial speculation within the industry tainty than certainty. In the worst in their relatively short banks into a moratorium on as to who possesses the finan-product market overcapacity of maritime history, but most agree debts for the ailing Japan Line cial backing to venture into a refining facilities makes future that the scale of the present in December. crisis surpasses its predecessors. No one knows to where this intensive business when the up- and although President Carter's f only because the scale of the process is leading. It could pro- turn comes. The obvious can- energy plan of last spring has numerical heights.

VLCC the fourth year of slump.

Strength

between 25 and 50 per cent, in supply and demand will not conditions. their staying power, govern from which it cannot possibly that tonnage in the 70,000 to our this princess could write their staying power, governments with significant maritime emerge without radical changes 80,000, dwt. bracket will be ment promotion of seren and interests will step in to take in structure.

to £250,000 a month and the opporunity to pick and ventures. although in many fleets this choose who shall be saved and although in many fleets this choose who shall be saved and drain is offset by the value of who shall merge with whom. Upturn time-charters concluded when These are almost certainly the market was higher, many of choices for Norway and Japan These ventures have, given wide seaborne oil movements. these period deals are moving in 1978, but less clear is the their birth at the tail-end of the Port conditions in the U.S. have close to expiry in what is now fate of the Greek independent boom in 1973-74, found market also ensured an intrease in

early and has only been pre- is impossible to say whether their talk is of no loans without boom increased the fleet by 12m. vented from getting out of hand such companies will find buyers, secure charters.

TANKER OWNERS, accustomed been strengthened by the slump which has broken the age of deep-water ports. has reached such duce a number of large State-didates are the Arab oil so far had little effect, its goal owned shipping companies for producing countries, whose of cutting U.S. oil imports to at present the first time in the West or it maritime ambitions have already 300m, tons by 1985 is still a worldscale rates can be could, as indeed it already partly led to the creation of a handful source of anxiety: losing its owner anything up has, simply give governments of single State or Pan-Arab. It was mainly the 65m ton

owners, heavily reliant on an conditions very tough, but at employment for some smaller increasingly depressed dry bulk least they will enter the upturn crude carriers which had begun market and whose flag loyalties with some experience and the to look obsolete. These vessels For the larger shipowners, outside their financial homes liquidity which many of their are increasingly used for lightensuch as P & O, the result is makes them less likely to be Western competitors will lack, ing VLCcs into smaller vessels worrying but not critical because given government props. Within Other bankers argue that of the U.S. coast. of the strength of diversification Britain, which has 28m, dwt although the equity base of in liner shipping and indeed of tankers and 14m, dwt of bulk some customers may have been mon-marine activities, giving it ships, many in the industry are destroyed in the crisis, the though there is the comfort that the corporate ability to survive, predicting collapses of smaller, European and American banks orders for new vessels have But for those Norwegian owners mostly privately-owned owners, will be ready to, advance into become almost non-existent and totally exposed to the climate of but until these things happen "floating real estate" again, although the tail of newthe spot market, trouble came and asset values are studied, it although for the time being all buildings contracted during the

by the activities of the State- Much depends of course on It is true also that even with may well be offset by scrappings funded Norwegian Guarantee the duration of the crisis, a 41.5m. dwt of oil tankers and and in 1979 unless there is a 1.5m. dwt of oil tankers and and in 1979 unless there is a 1.5m. dwt of dry bulk representations the deet may point on which there is some dis- 15.2m. dwt of dry bulk capa-It is a matter of speculation agreement by brokers, re-city laid up, according to H.P. well start to shrink. It is a matter of speculation agreement by brokers, rectly initially according to it. The first of this coil tanker menings how long such a State fund searchers and owners, although Drewry, at the end of January. On for of this coil tanker mening and the private banks are keep almost everyone is resigned to there are small areas of the mage laid up for a period of the mage laid up for a period of the because this is preferable to carriers the upturn is at least glimpse immediate opportunity in good condition is increased. because this is preferable to carriers one appears and a substantial and others where they see signs in good condition, is the fer for be fit for

needed to fill gaps in trades to their place—a view which has Traditionally it has been a the U.S., where there is a short- ... Confining on next page.

risky and extremely capital import flows difficult to predict

increase in demand by the U.S. last year, when imports totalled 430m, tons, which gave an estimated 6 per cent. lift to world-

At least for oil tanker men. dwt last wear 1978 deliveries

whose value has dropped by number of forecasts say that of an improvement in trading service again. Over 9 in, tons of between 25 and 50 per cent. In supply and demand win not conditions.

1977 alone. One theory is that balance before 1985, giving the . In the crude carrier business, a lower figure than for 1976—when the private banks lose industry a decade of losses for example, there is a feeling but this pricess could well be ment, promotion of serap and



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In the air

Pressures on the ports

NDEROUS recovery of be at a rather lower rate, with itish economy from non-fuel traffic expected to has had a clear impact expand by a further 26m. rading performance of tonnes. By the end of this itry's ports in recent period there is a prospect that d the climb back to some stability will return to vels prevailing before the level of conventional traffic been slow and arduous, being loaded in and out of U.K. ith depressed trading ports. But for some years to s the ports have had come ports will experience a ith a revolution in the slow but inevitable decline in of handling general the amount of traffic handled i a dramatic change in across conventional berths as of ships using their the change-over to unitised

cargo is fully implemented. problems in some The total of conventional ports have recently general cargo handled in British in congestion, with ports fell by some 9m tonnes lines switching their from 1971 to 1975, and with this other destinations, decline continuing, albeit at as been overshadowed slower rate, a further loss of tass been overshadowed sexisting in ports 3m. tonnes is expected by 1980, other countries, where In 1975 conventional break-bulk his other countries, where In 1975 conventional break-bulk his of the cargoes and there will be deduced burden on the traffic of 62.6m, tonnes.

But if the traffic in convent
But if the traffic in convent
brown ports fell by some 9m, tonnes and domestic routes which will take mouth and Tees showed up treasonably well against their reasonably well against their can also affect the performance newly unitised South Africa any optimism among ship-more than one port or lighten on the traffic of the start of the service leffects of one bulk tonnaes of the start of the service leffects of new bulk tonnaes of the cargoes and there will be a shift days in Liverpool, and a half days in Liverpool, and two and three quarter days in Lundon. Glasgow and Hull for shipping lines, this route has had to be traffic of the left of the pring by the beginning of 1979, frequently have to discharge at the lion's share of the total of the container berths for the pring by the beginning of 1979, frequently have to discharge at the lion's share of the total of the lion's share of the total of one port against another, trade to be brought into use.

Continental rivals, Other factors the container berths for the pring by the beginning of 1979, frequently have to discharge at the lion's share of the total of one port against another, trade to be brought into use.

Since the start of the service effects of new bulk tonnaes of the start of the service leftents of the service leftents of the service leftents of the service of the serv

changes from conven- stagnate, and at worst show a go carrying to the use marked decline, traffic moved ers, either in specially by container and ro-ro vessels d cellular vessels or and specialised bulk cargoes will 1 roll-off ships has grow significantly in the next 10 ken place. The recent years. Unit load traffic is sation of the Europe expected to reach 58m, tonnes

Africa trade was the builded with 27m

This is narmy nikely to be the sound of their major four Continental ports. On im- apparently every attempt was Nigeria—as H. P. Drewry One of the few bulk sectors dominant theme of 1978, how
form the next to be the sectors dominant theme of 1978, how
africa trade was the builded offer good returns ever. A more likely candidate

Africa trade was the builded offer good returns on which did offer good returns ever. A more likely candidate

Africa trade was the builded offer good returns on which did offer good returns ever. A more likely candidate and the sectors of the sector Africa trade was the by 1985 compared with 27m. companies are known to be impressively against the British parison a fair one. It is fell in Third World port development last year was the shipment of for that is talk of liquidity and ist major conference tunnes in 1975 and traffic carried o through this expen- on specialised shipping-mainly ingthy transformation, chemicals and forest productsnt of cargo that can will be about 39m. tonnes comd will grow, but the pared with 23m, tonnes in 1975. Year by the National Ports 1 I tons in Liverpool. be less dramatic than

i in recent years. ld trade slowly ex Scope

growth is likely to But nonetheless even by 1985 it mouth, Tees, Glasgow and

tional cargo will at best

scope which still exists for Continent, and in the U.K., ucceeding five years conversion to unitised services. London, Liverpool, Hull, Avon-

FOREIGN TRADE THROUGH UK PORTS (m. tonnes)

		74 Exports		75 Exports		76 Expens
Total goods traffic	213.7	50.4	175.1	47.9	181.1	52.1
Fuels	133.4	20.0	306,7	18.9	102.6	22.5
Non-fuels	80.3	30.4	68.4	29.0	78.5	29.6

trade in coming years the port in Hamburg. Bremen, or capacity should exist in the U.K. Antwerp. Other figures pro-

be expected to grow. Ports Council's analysis, and discounts for 25 per cent. of the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports. Council jects to progress.

The National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times Antwerp the National Ports accounts for 25 per cent. of the Ship turn-round times the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accoun trough of the recess sea routes that this expansion troversial survey covered 11 tivity performances of ports in a six-month union boycott. The 30, reaching a total of can be expected to take place ports — Antwerp. Bremen, the U.K. and on the Continent dock, which is equipped to 148m. tonnes in that most rapidly because of the Hamburg and Rotterdam on the

pointed out that a fair com- Cast.

tional general cargo, which is a Queen last August. It now faces' Iron ore and coal for the the most interesting questions small proportion of the total an uphill battle to attract new steel industry account for half at stake is whether tanker tonnage of cargo now handled services to the enclosed dock, the employment of the dry bulk owners will go on building in major ports. It is also often the largest in the U.K., but it fleet—a fact which gives instant bigger vessels. handled in the older parts of a has already had some success, explanation of why these trades. A study last year by conport, where there has been less attracting the attentions of the were in such doldrums in 1977, sultants H. P. Drewry suggested emphasis on investment in new Swedishowned Tor Line, the Grain, the third big dry bulk that ULCCs (over 300,000 dwt)

parison cannot be made because At Southampton a new man. Although it is at least argu- which will be able to travel in U.K. ports do not receive gov-ning agreement should mean able that the steel industry will ballast through the enlarged is still the short-sea and Grangemouth. Only Grange- crument subsidies, as do their that the way is now open for start to stimulate bulk ship- Suez Canal from 1980. ULCCs domestic routes which will take mouth and Tees showed up Continental rivals. Other factors the container berths for the ping by the beginning of 1979, frequently have to discharge at

ports, especially in comparison Avonmouth as in any of the from the industry itself, and proportions—at Lagos Apapa, cancelled. understandably concerned at the ports. Dockers there handled on some quarters that the report -on some occasions in 1975 cars, chiefly from Japan, but the independent tanker owners' level of port charges in the U.K. average 2.8 tonnes per gang hour has done little more than add more than 400 vessels were idle, this is a market which cannot ideas for rigging the market to A report drawn up late last as against one ton in Hull and official statistics to a state of with delays for individual ships, last as deliveries of specialised cut out capacity. The latest in-

tion suggested for instance that and many charges have been recent months, but at both ment, and concestion has been industries to raise trade Scandinavians. Its object is now amount of inward and reight through British be expected to grow. Ports Council's analysis, and discharge ships almost four that they have failed to compare the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the Samuer of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National Ports accounts for 25 per cent. of the National

build " schemes (a policy attrac- carriers which account for concerned to protect their ship off into other trades.

way ports in the OPEC States at least by the beginning of 1979. Others question, though, and in some of the poorer have now also dried up, there whether nuclear power in the developing countries have be is still another 11m. tons in the present environment-conscious to cope with the demand. But duced in the report indicated developing countries have be is still another 11m. tons in the present environment-conscious doubts have recently been that if could take about three expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expressed about the quality of times as long to discharge the expression and the quality of times are long to the quality of times as long to discharge the expression and the quality of times are long to the qualit service available in British same cargo in Liverpool or piled from material collected delays reached extraordinary some of these orders are being ing such large vessels.

year by the National Ports 11 tons in Liverpool.

Council in conjunction with the General Council of Shipping has aroused considerable connew port facilities have also and the British Ports Associations in Liverpool.

affairs already known.

exceeding 400 days.

exceeding 400 days.

Car carriers come on stream. It dications from Intertanko about its lay-up pool idea suggest that have seen the fruit of port excheavy importers like British are it has promises of 16m, dwt of pansion and improved manage- persuaded by their domestic reverse in the ports industry had their share of difficulties in pansion and improved manage- persuaded by their domestic reverse in the ports industry had their share of difficulties in pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and improved manage- persuaded by their domestic reverse in the pansion and t car carriers come on stream. It dications from Intertanko about

tive to Governments which are, about 20 per cent of bulk move-for the most part, much more ments are unlikely to be drawn

building industries than their Given this surfeit of gloom, it and has been studying the prac- bandle container traffic and roll- shipowners) or simply by a is remarkable that shipowners togalities of making such a com- on roll-off traffic, has never boost for the scrap price which are still capable of thinking parison for a number of years, commenced operations, despite would occur on the hint of a about how to proceed when the The report covers only convent the official opening by the pick-up in world steel trade.

quipment.

Norwegian Gearbulk, and the commodity, was livelier last would probably have to get Furthermore, the industry has Montreal-based container line year thanks to another shortfall bigger if they were to be fully binted out that a fair com- Cast.

in the Russian harvest.

competitive with the VLCCs

Tilbury handles the Thames

London, islands of tonnes.

activity amid pre-

ne efficient whirr of centres in Europe. tainer cranes down-

ondon's docks em-10. Last year the lummeted to 8,500, 00 are employed by London. London Authority,

of seaborne trade the regions of Britain.

in Britain's total British seaborne trade ex- in the formation of the highly ds has been accom- changed with the EEC had risen mechanised £60m. container a transformation in to 64.5m. tonnes, while the port of Tilbury, now expanding idling techniques share of this handled through on 1,037 acres. Of this, 114 are The new dock- London had fallen to 6.8m. devoted to container handling

ctivity.
fer of Empire links
partners in Europe
trade between Britain and the leart of the trans- EEC is carried in containers. The clamour of London has admirable facilities ity as far upstream for handling containers, with

are far fewer men, serve, but it would sive machines that to by their size and to by their size and to be size machines. This is by far the on a major programme of the container traffic on the long-distance routes. This change has been described as a revolution, based off ferries. This is by far the on a major programme of the container of the container is a size of the container traffic on the long-distance routes. This change has been described as a revolution, based off ferries. This is by far the on a major programme of the container traffic on the long-distance routes.

the most obvious dominate Anglo-European trade 250,000 tonnes deadweight. the most obvious during the past decade. Its An idea of the changes in main advantage over other efficiency as a result of this form technical that it can give read builded the changes in mechanisation are clear from argo-handling technical that it can give road haulage the performance of Tilbury. companies trading between This can handle ten times as British and European manufacture. participated in this turers a 24-hour maximum sea port terminal, with one-sixth of surgery without passage time. This effectively the men. On the debit side, it compulsory sever rules London out of the race, occupies ten times as much

operation of the other Channel ports.

I Mr. Noel Ordman, rector of planning in for the Port of of exports. This appeals to the handled at most 100,000 tonnes He ex- road haulier and his manufac- of cargo a year. Tilbury can while the reducturing industry customer and it handle 1m. tonnes a year. This ing levels had been appeals to the Channel ports makes it the heaviest worked ler, there had been which are excused the expense container berth in Britain, unrest and that the of investing heavily in conadapting to the tainer handling equipment, for simplification and rationalisathe method and the container remains on its tion of port layout. In the 1950s.

trade, but London itself has un- terminals can hadle 1.3m. deniable advantages for long-tonnes. of these social up- distance freight destined for the

e has been a steady of the most enviable hinterlands ing "ferocious económics." tonnage of cargo in Britain for servicing long, which would not have been possite major mechanical distance freight transport sible but for the support of ts like Tilbury. There is an efficient motorway shipping lines. The £35m new hen Britain had an network within 20 miles of the terminal to be opened at Tilbury. vith the European river at Tilbury. This, the deep this September, for example, sket, but was not water facilities in the Thames amber, the country estuary and the major market contribution from shipping lines 30.4m. tonnes of of London, encouraged world the EEC. Of this shipping lines to enter a fruit-of the port and the major market contribution from shipping lines were handled ful relationship with the Port of the bill.

berths, 80 acres to forest pro-Officials at the Port of London duct handling berths, 15 acres less hinterland, are Authority explain the reduction es of rejuvenation, as a result of technical changes miles from the old in the way freight is handled ctivity.

Officials at the Port of London to a bulk grain terminal and, emphasising the relatively low priority given to ro-ro freight.

. The rest is either water, for bridging point in Tilbury now one of the leading future expansion, or general London has been re- handling and transhipment cargo, the small area for the latter again underlining the The problem for London has shift from old London's trading The problem for London has shift from our Londons for the been that while it has the faciliactivities as a warehouse for the been that while it has the faciliactivities as a warehouse for the been that while it has the faciliactivities as a warehouse for the length of container traffic each year. 60 centre for handling bulk goods of forms for the long distance routes.

biggest factor in contributing to mechanisation. Containerisation the fall in the proportion of is the biggest change, pioneered British trade with the EEC largely by the shipping com-which is handled through panies rather than the ports. London. Next is the move to ever larger The roll-on/roll-off ferries ships, up to one million tonips nd cargo-handling constitute a new mode of trans- drawing 95 feet of water. Even

must pay tribute in favour of Dover and the land and costs six times as much

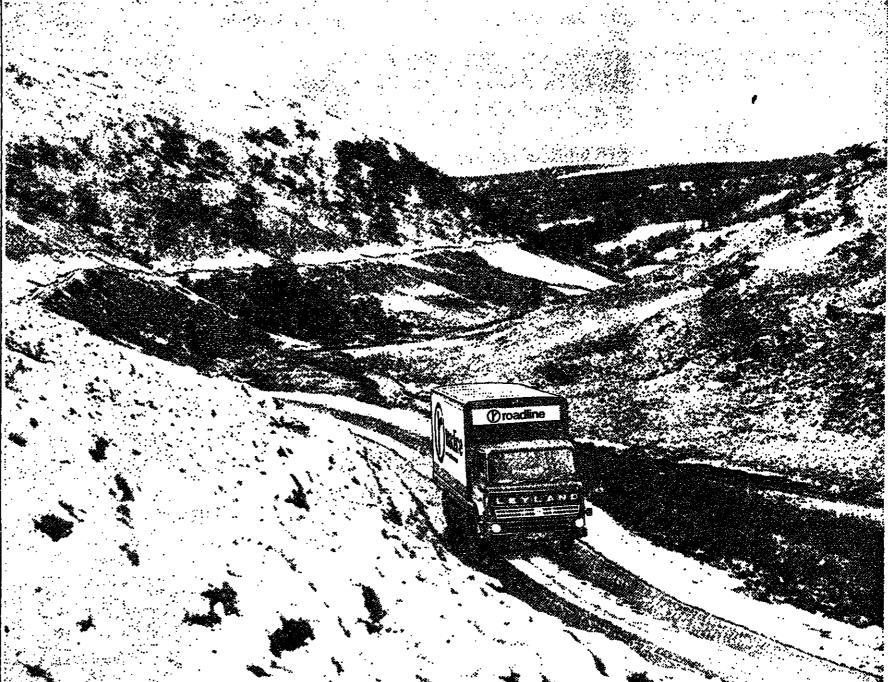
the method and the contained terminal of the port layout, in the terminal ork was beginning truck aboard the ro-ro ferry.

This circumstance of geography may have robbed London of much lucrative European don of much lucrative European Now four highly mechanised to the layout that have been been as the layout the layou

It is small wonder then that changing nature four corners of the world and the Port of London Authority ere and sudden, For London and its river has one over the past decade as involve

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Policy decisions for British Rail

But it has also been encouraging Paper. for British Rail to see that even interpretation of section 8, a number of substantial grants have been made on broad of improving rail freight in the Transport White facilities in the interests of Reeping heavy loads off the content of the content o

£6.8m. and produced an addi- Freight.

planning into error and instead device which the road trans-wards.

not accepted the rail unions' tomers' plans. Even Prest the number of men involved round trip in 17 days and the formation:

The immediate effect of procease that there is any sense in byterian caution would, how but of considerable psychocore of vacuum braked vans one. The outcome is that the combusiness with other divisions of islans in the Transport Bill forcing traffic from road to rail every have looked like campbers. now before Parliament to bring It was this latter (act which proconfidence with regard to preinto the scope of Section 8 payduced the curious picture of Mr. dictions of steel output in the
ments towards rolling stock for William Rodgers, the Transport Law of the scope of Section 8 payments towards rolling stock for William Rodgers, the Transport Law of the scope of Section 8 payments towards rolling stock for William Rodgers, the Transport Law of the scope of Section 8 payments towards rolling stock for William Rodgers, the Transport Law of the scope of Section 8 payments towards rolling stock for William Rodgers, the Transport Law of the scope o ments towards rolling stock for William Rodgers, the Transport last two years. in such sidings has, Secretary, gelting his roughest. While British Rail is justified inevitably, been in slow down public ride of the year from the in emphasising its dependence the flow of applications until the Labour Party Conference, even upon the performances of other more generous terms are avail- though British Rail was far from heavy industries and the probable-probably by this autumn, displeased with his White lems of running an inflexible.

road, rather than for new ling programme of investment there as been an almost equal in whole trains. The best example here was make planning and stock motives and terminals.

escapable, deriving as it does. This is secure business which braken wagon, which is mutter and stock motives and terminals.

escapable, deriving as it does. This is secure business which braken wagon, which is mutter as muter as a stock motive and terminals.

probably a £137,500 grant to building programmes easier and Mr. Paterson speaks of "a from BR's analysis of the con- carries only one major disadvant to speeds below 40 mph for the 5,000 wagons.

One obvious Freightliners to meet part of more efficient to manage, but quiet revolution in resource tinuous flows of heavy materials tage: that almost all its over-most part.

One obvious consideration tions on lorry movements with the cost of relaying worm out whose effect is limited in utilisation and in managing the which form the bulk of its ton heads are fixed and not easily. BR now has two weapons in now that British Rail is to Europe. Speedlink, it says, utilisation and in managing the which form the bulk of its ton heads are fixed and not easily. BR now has two weapons in now that British Rail is to Europe. Speedlink, it says, utilisation and in managing the which form the bulk of its ton heads are fixed and not easily. BR now has two weapons in now that British Rail is to Europe. Speedlink, it says, utilisation and in managing the which form the bulk of its ton heads are fixed and not easily. BR now has two weapons in now that British Rail is to Europe. Speedlink, it says, utilisation and in managing the which form the bulk of its ton heads are fixed and not easily. BR now has two weapons in now that British Rail is to Europe. Speedlink, it says, utilisation and in managing the which form the bulk of its ton heads are fixed and not easily. BR now has two weapons in now that British Rail is to Europe. Speedlink, it says, utilisation and in managing the which form the bulk of its ton heads are fixed and not easily. BR now has two weapons in now that British Rail is to Europe. Speedlink, it says, utilisation and in managing the which form the coal and steel reduced during times of econ. Its same and the same are fixed and not easily and the sa terminal, although under rail has to give specific approvals for wagon-load business (69 per industries. A 27-wagon train omic recession when revenue its 16.500 air-braked wagons and avoidance of wasteful competitives. A 27-wagon train omic recession when revenue its 16.500 air-braked wagons and avoidance of wasteful competitives. ways ownership Freightliners any capital investment over cent of total in 1968' to train-set linking the British Steel from the coal and steel indus- the Freightliners system now in tion between the two. There is tabled trains which are at will be out of scope for such 12m. The second was a re- load (79 per cent, of total in works at Port Talbot and Lian- tries falls. The only remedy is the process of being transferred certainly a degree of overlap in to operate smoothly and will be out of scope for such 12m. The second was a re- load (79 per cent, of total in works at Port Talbot and Lian- tries falls. The only remedy is the process of being transferred certainly a degree of overlap in to operate smoothly and will be out of scope for such 12m. aid. The record so far is that iteration of the Government's 1976). But even with dramatic wern, for example, is capable of pricing at a level which would back to railways ownership, havsection 8 grants, on which there commitment to stop subsidising changes like these, the un- a payload of 2,025 touries—give BR margins large enough to ing been controlled since 1969, for export, for instance, goes by delays of marshalling yards in no overall margins large enough to ing been controlled since 1969, for export, for instance, goes by delays of marshalling yards in no overall margins large enough to ing been controlled since 1969. is no overall maximum limit, freight in the form of grants to certainty persists as to whether equivalent to 63 of the heaviest carry it through the trade by the National Freight. Cor. both systems—and although cause of the efficiency of Blave involved payments of author British Bail on National Freight.

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recession in the steel industry once again threw British Rail's once again threw British Rail'

business, the big event of last rail freight in recent months then on produce sufficient mar-unparalleled restraint in costs proper levels of footplate handicap in British Rail's get the 14m. a year it conser- of its justification for demand year was unquestionably the from the EEC, which finally gins to be able to ride the cycle during the past three years as manning. The drivers' union, attempt to produce a compre-vatively estimates it needs just ing the return of the organism decision to return to railways pushed Britain into accepting of industrial production even a result of Government pay ASLEF, has now switched its hensive rail strategy. It com- to replace worm-out containers, thou was the railways need to ownership the Freightliners the shorter eight-hour driving when it turns into the kind of policy. Labour expenses amount campaign on this issue from bined with problems of the cranes and forries. British Rail a comprehensive marketing ownership the Freightliners the shorter eight-hour driving when it turns into the kind of policy. Labour expenses amount campaign on this issue from bined with problems of the cranes and forries. British Rail a comprehensive marketing ownership the Freightliners the shorter eight-hour driving when it turns into the kind of policy. Labour expenses amount campaign on this issue from bined with problems of the cranes and forries. British Rail a comprehensive marketing ownership the Freightliners the shorter eight-hour driving when it turns into the kind of policy. Labour expenses amount campaign on this issue from bined with problems of the cranes and forries. British Rail a comprehensive marketing ownership the Freightliners the shorter eight-hour driving when it turns into the kind of policy. Labour expenses amount campaign on this issue from bined with problems of the cranes and forries. British Rail a comprehensive marketing ownership the freightliners the shorter eight-hour driving when it turns into the kind of policy. Labour expenses amount campaign on this issue from bined with problems of the cranes and forries. British Rail a comprehensive marketing the cranes and forries are comprehensive marketing the cranes are comprehensive marketing the cr

target of 8.000 fewer jobs in way to go. Given that the aver- unions to the loss of jobs which investment in Freightliners. export traffic. The appointment planning into error and instead port unions have so far refused. Mr. Frank Paterson. British 1977 has been missed by almost age resource utilisation of rail would be involved in such a In policy terms too there are of a European traffic manager of the budgeted increase in the counterpage in democing Policy terms too there are of a European traffic manager of the budgeted increase in the counterpage in democing Policy terms too there are of a European traffic manager of the budgeted increase in the counterpage in democing Policy terms too there are of a European traffic manager of the budgeted increase in the counterpage in democing Policy terms too there are of a European traffic manager of the budgeted increase in the counterpage in the counte to countenance in domestic Rail's chief freight manager, half as the National Union of freight's competitor, the heavy rationalisation, of the budgeted increase in to countenance in domestic Rail's chief freight manager, half as the National Union of freight's competitor, the heavy fell from 176m, tonnes in 1976 to 177m, tonnes. Final financial results for the year have yet to he released, but there is every indication that they will show a deficit of around half last year's \$35m.—a commendable improvement given the market circumstances.

The doubts about the future of the nearly freight manager, half as the National Union of freight's competitor, the heavy for interest of the provi-believes the target will be met Rail's chief freight manager, half as the National Union of freight's competitor, the heavy will be met Rail's chief freight manager, half as the National Union of freight's competitor, the heavy work is the first the end of iast year is sign doubts about the future of the end of iast year is sign to connection, the heavy love, is probably between 0.5.

Facilities

The Clinties of trunking by lorry are bound ledges that within the business sign the end of iast year is sign to neaded journeys per freight increase and with the U.K. there is still a fair amount of are being called upon to do too complacency in BR's wagon increase and with the U.K. there is still a fair amount of are being called upon to do too complacency in BR's wagon in the registion of gave nores, are really experted by a number of the much overtime and rest-day utilisation figures. This works are really experted by a number of the much overtime and rest-day utilisation figures. This works are really increase and with the U.K. there is still a fair amount of are being called upon to do too complacency in BR's wagon. It is possible also that the company wag agarantee which the end of iast year is sign to one loaded journeys per first that the end of iast year is sign to one loaded journeys per freight in the end of iast year is sign the end of the resting to the released that the end of iast year is sign the end of the resting to the released. The interest of the provi circumstances.

Another policy change in the past year which will work in rail freight's favour is the proposed freight's favour is the proposed widening of the scope of grants

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The past year which will work in rail freight's favour is the proposed widening of the scope of grants

The past year which led to last June's Transition of the scope of grants

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The past year which will work in rail freight's favour is the proposed which led to last June's Transition of the scope of grants

The past year which will work in rail freight took it over, cent improvement): 0.75 loaded National Freight took it over, balancing its use of road and rail freight's favour is the proposed wagons and 0.66 per day for parcels has not been given the five open an information was responsed to the proposed wagons and 0.66 per day for parcels has not been an industry-wide formula for the past residue.

The past nover of example in the proposed was not been an information of the scope of grants was not been an industry-wide formula for the past residue.

The past nover of example in the proposed was not been an information of the scope of grants was not been an information of the scope of grants.

The past nover of the proposed was not been an information of the scope of the past nover of the pas widening of the scope of grants port. White Paper has done forecast, which has not been an industry-wide formula for other extreme, the 1.300 brake- trebling in volume of business. Freightliners is also keen to accepted that it would be basis, and the cost of private rail something to improve the met in the last two years, is the measure and reward of less pipe wagons manage only in the past decade because of retain marketing independence to get the tunnel on the basis, and the cost of private rail something to the past decade because of retain marketing independence to get the tunnel on the basis, and the cost of private rail something to the past decade because of retain marketing independence to get the tunnel on the basis. sidings under the terms of operating and financial climate based on a detailed and Pressortion S of the 1974 Railways for rail freight, even if it has byterian "study of major cus-

FOR BRITISH Rall's freight encouraging developments for operations this year and from take sufficient advantage of an continued running battle over from the past is a substantial does not know whether it will the marketing question, but part container transport company day for lorry and bus drivers in recession Britain has had since to 65 per cent. of rail freight's founded by British Rail but controlled since 1969 by the National Freight Corporation.

This was the climax to a year which was kind to rail freight with the deepening but during which the deepening recession in the steel industry.

Total staffing levels within Rail but controlled since 1969 by the National Freight Corporation.

This was the climax to a year which ever to prove the Class 56. This is at all order for a total costs and 40 per cent. of to the new generation of freight arriving at a sensible rational strategy, with Freightline's to the new generation of freight arriving at a sensible rational strategy in the High Speed Passenger Train present, such as the difficulty of has been given no undertaking strategy, with Freightline's to the new generation of freight arriving at a sensible rational strategy. With Freightline's to the new generation of freight arriving at a sensible rational strategy in the High Speed Passenger Train to the new generation of freight arriving at a sensible rational strategy. With Freightline's to the new generation of freight arriving at a sensible rational strategy. With Freightline's to the new generation of freight arriving at a sensible rational strategy. With Freightline's to the new generation of freight arriving at a sensible rational strategy. With Strategy. With Strategy. With It is a tall order for a total costs and 40 per cent. of to the new generation of freight arriving at a sensible rational strategy. With Strategy. With Strategy. With It is a tall order for a total costs and 40 per cent. of to the new generation of freight arriving at a sensible rational strategy. With Strategy arriving at a sensible

doubts about the future of at the end of last year is a ste

pany is allowed to compete for demanding a brand new, hig

Whole train consignments

have involved payments of either British Rail or National rail freight has moved fast lorries permitted on British cycle and although the railways poration.

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cannot escape blame for pricing The air-brake network will herenfly bad, it raises the TOPS.

ference in this respect. the 20 per cent, of wagon-load consignment traffic by a new operations. This is in part be-unloading method at terminals. Cause there is more to cricise This earlier Speedlink was cent, of rail freight originating through contents along the contents of the traffic passis cent, of rail freight originating through contents along the contents of the c

worn conflicts about the extent hampers progress in ruture terminals which rail and road freight planning for rail express lift cranes, which cost over £1m. from clear. Last June's Transcription on equal terms, it is parcels.

tional 5m. tons of rail freight. This means that British Rail competition of the lerry and Even within the Freightiner policies in the past, they have a comprise 50 daily (or in most pressing question of priorities In addition to the Freight have also been has to break even on its freight whether it has been able to business, which is relatively well powerful argument in terms of cases nightly) services by the within a strict capital spending line and stoing to sidil the extent to which they have end of this year with running suffered from Covernment inter- speeds over 70 mph. At the erence in this respect.

end of last year, the service service service bulk train load part of received, after a good deal of ing its nine years with National Carriers, collection of the service of the whelming importance in terms link-a title not long before of onth vote me and revenue, associated with an experimental attracts far less attention than idea for re-invigorating small-

ditional brakeless or vacuum terms. By this time, Speedlink increasing usefulness in train freight—a device designed to drop in the number of loco-make planning and stock motives and terminals.

The logic of this strategy is in rail network.

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in the later department and no given short shrift by the Raildoubt partly because it is to the ways Board on the grounds of
wagonload business that becost, with preference going to
lievers in rail freight tool: for the more cautious air-brake
effective competition with the wagon network which has been
the same of the system for lorry sociated costs, even using
the same of the system for lorry sociated costs, even using
the same of the system for lorry sociated costs, even using
the same of the same of the system for lorry sociated costs, even using
the same of heavy lorry to turn back the able over the last couple of load size consignments. The wagons whose value is ful trend which has given road hauf years to prove each of its routes opposite view is that Freight to gradually price up there or age almost 70 per cent. of U.K. in turn and where a particular liners can do anything which to gradually price up these se freight business by ton-mile. service has not been cost effec. Speedlink can do plus being vices and to seek new busine Within British Rail, there tive to quickly withdraw it, able through its own heavy road only where it makes con appears to be some difference Such attitudes represent a com- haulage fleet and by using haul- mercial sense-which probab of view about how wise it is to plete transformation from the age subcontractors, to provide means for hauls of at least 2 push this road-rail argument- old concept of the railway as colection and delivery from miles. an argument which is certainly the uncuttable, almost un those terminals. The problem. The bulk of the door-to-do in poor esteem with Govern changeable national network of with this argument is that services are, of course, parcelland the course of the door-to-do in poor esteem with Govern changeable national network of with this argument is that services are, of course, parcelland the course of the door-to-do in poor esteem with Govern changeable national network of with this argument is that services are, of course, parcelland the course of the door-to-do in poor esteem with Govern changeable national network of with this argument is that services are, of course, parcelland the course of the door-to-do in poor esteem with Govern changeable national network of with this argument is that services are, of course, parcelland the course of the door-to-do in poor esteem with Govern changeable national network of with this argument is that services are, of course, parcelland the course of the course ment. But leaving aside the services—a theme which still Freightliners can only serve and in this department Briti worn conflicts about the extent hampers progress in future terminals which possess heavy Rail's intentions are still I

owing to the tightening restr One obvious consideration tions on lorry movements with

'and delivery by road.

In 1977, this involved 1.8 tonnes of goods, mainly ste

fair to observe that the real. At the end of 1977, Speedlink open the question of investment rejected a co-ordinated solution of the competition lies in the had picked up 2.3m. tons of priorities.

area of the 24 per cent. of U.K. business, of which BR estimates. The official British Rail view, owned parcels or arreas of the competition of the competiti priorities. to losses among the four the official British Rail view owned parcels carriers fakt the line that it was ut companies involved to ta pricing action and reduce cos in order to get the business into surplus.

National Carriers has be given some special help wi investment in the Transpo Bill, having broken even trading terms for the first tin in its history in 1977 and Ros line, another NEC company h returned to trading profit at losses in 1976. The carrier, the Post Office is p Jecting a supplus in usi Rail has in the last. priced ahead of inflation business Red State 1 express service by w

ability of British Rail to surviv

CONTINUED ON NEXT PAGE

tainers themselves and in the

Containers meet problems

gun to multiply.

Historically, the concept has boxes. been around since the 1930s, when a U.K. Royal Commission merely caused by that good idea sophisticated. It is designed to can be booked an specific

to take the risk. In 1956 an containers between New York immense. and Puerto Rico. After a nineyear gestation period, contain-erisation came to the transatlan- Massive tic trade when Malcolm

Docks, the Royal Group, the came in at around £60m. East and West Indian docks- So container vessels need the have either closed or are run- work—and there are increasing

CONTAINERISATION is now The high unemployment in the it. The City of Durban is a established world-wide, and has East End labour exchanges, and good case in point. Launched passed through its honeymoon the industrial desolation along last. September from the period. The problems have be the riverside, owe much to the Bremen yard of A. G. Weser, good idea of putting cargo into the 48,000 ton ship is one of the largest container vessels But now the problems are not ever built and one of the most

when a U.K. Royal Commission meters that the part of the trade carry 20-foot containers, many passenger trains, continue it was a matter of some surprise itself. Naturally enough, these of them refrigerated stored ten however, to expand, indicating the its members that the advantage of them refrigerated stored ten how very soundly based the containers are inseparable from across below decks. A computer how very soundly based the the general world-wide reces monitors the refrigeration and sector is tages of containers had not become obvious to shippers. They
were perhaps obvious, but the
hardware was lacking.

The Americans were the first

the general world-wide recession monitors the retrigeration and
maintains correct temperatures. So thus far the Government
multiple monitors the retrigeration and
maintains correct temperatures. So thus far the Government
particularly hard on the shipping industry and continues to South African trade (hence its although the continuing overa
be. Equally naturally, the consize and advanced refrigeration losses of rail parcels remained

the general world-wide recession monitors the retrigeration and
maintains correct temperatures. So thus far the Government
ping industry and continues to South African trade (hence its although the continuing overa
be. Equally naturally, the consize and advanced refrigeration losses of rail parcels remained

the general world-wide recession which has been maintains correct temperatures. So thus far the Government
ping industry and continues to south African trade (hence its although the continuing overa

the properties of the continuing overa

the continuing th tainer world has displayed some equipment) and that trade is one of the many threats to the twists of its own to worry the not what it was. American trucking company major shipping lines, whose Ten years ago the South this year without grants to me began taking cargo by sea in investment in containers is now African Government ordered a losses in its freight business.

Containerisation offers enor-McLean's ships carried con- mous economies of scale and of tainers between New York and time. It also calls for massive Europe. The container revolu-investment, both in the con-The effects have been spec infrastructure of the ports. tacular, as Londoners well know. Finally, container ships them-The complex of Thames docks selves are multi-million pound which began at Tower Bridge investments - the recently and stretched for miles down- launched Ellerman Harrison river-St. Catherine's, London Container Line's City of Durban

ning at a fraction of capacity, signs that they are not getting

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factors are contribut- lucrative. is growth. One is unexploited by the airlines. the realisation on the nany airline managere than one airline to cargo.

a period of slow pas- undoubtedly a need for many The BA scheme offers signifi- immense amount of cargo in con. American service and an extena period of slow passage and an extension of targo in contract and an extension of the affect and an extension of the at major airports, like those at agents who are prepared to scheduled passenger airliners as Transmeridian was founded air transport industry believes of the business can furt. There are still far to ment of 800 tonnes of cargo a aircraft, a large volume of 16 years ago, and also specialised carried through the still relegated to old, draughty cheap contract rates are 40p a Africa. By last year the fieet had Middle East, Far East and conomic situation of and remote sheds, with inadew years by this timely quate customs facilities, and often almost no facilities for even temporary storage of any

It is significant that this lack refair, such as the make ideal derived from a substantial tainerised with all possible Britain, Europe and South similarly low prices being steadily from 1967, when contarriers. In addition, increase in the use of air cargo. Speed. There was a long pause Africa. I believe this will be offered on the Trans-Siberian tainer facilities were first while the expense of the move of short duration only and that railway. some of the world's Western Europe to find cargo was considered. Then, in 1974, the basic strengths of South
orts have helped to facilities at some airports that
the South African Government Africa in natural resources, so
market by the Soviet Union to dendered small container size.

I this in turn has many governments would also 1978. stumulate air freight. do much to help. It is still ger containers have possible to find some countries are handled-almost as though rloads from a wider are handled-almost as though shippers, creating in the incoming cargo aircraft and or 7m, as had been forecast. stumulate air freight, do much to help. It is still handling and speed- its crew were trying to perpe- or 7m. as had been forecast. look like continuing to do so. the freight side of stimulate valuable business to around 3m. by the end of scheduled air trans activity. Even where more this year. The nine ships comtry still has a long enlightened attitudes exist, the missioned by the conference

ral parallel develop against the development of air conventional cargo ships which make the Soviet Union selfhe air freight busicargo, but they are sufficient to presently ply the trade, they sufficient once it comes on is undoubtedly a slow the prospective growth rate will find competition for orders stream later this year. Last new Arab road haulage operational basis of pricing attack by the air transport of trade, in his speech at the City with a separate of 5,000 with a container shipping service to container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened, container shipping service to contain the state of plant at Odessa was opened. at offer inducements industry. on these problems, trade in his speech at the City with a capacity of 5,000 units container shipping service to to change their ways with the assistance of those of Durban's launch, Ellerman a year. to change then ways whit the assistance of those governments Harrison's changeman, Mr. D. F. Already Soviet shipping Elsewhere, and less spectacuthods of distributing of the West who can see the Martin-Jenkins said: "There is prices are often considerably larly, investment in containering."

international infermational infermation infermatio

of late 1973, the trum of international destina- scheme, and submitting it to BA, and the airline expects handling some single-entity operated by British airlines, deppears to indicate that tions. On some routes, such as President Carter, the airline further deals to be signed soon, work on specific contracts, the signed primarily to make life a two shippers and the North Atlantic, some of the won his acceptance of it, and The airline is hopeful that emphasis at Tradewinds is on aperators. Just how these new trers are turning to present all'cargo Jumbo jet the over-ruling of the U.S. Civil once the success of the contract- split charter work to the Middle populations will work out in plane as a swift and services do well, but there are Aeronautics Board's objections rates scheme has proved its East, and to West and Central practice remains to be seen, but goods.

The services do well, but there are Aeronautics Board's objections rates scheme has proved its East, and to West and Central practice remains to be seen, but goods. are less competitive, but more operators, such as Pan Ameri-will spread to many other parts year, it was announced that the they appear to be a step lucrative, waiting to be can. Trans World and Sea- of the world.

Lonrho group was planning to towards that even greater the state of the world. waiting to be can. Trans World and Sea- of the world.

Lonrho group was planning to lowards that even greater waiting to be can. Trans World and Sea- of the world.

Lonrho group was planning to lowards that even greater by the airlines.

board produced their own low- In addition to the scheduled acquire Tradewinds. New routes freight market needs world-wide

A cargo carried by air ad hoc basis when traditional however, it seems that cargo from London, Glasgow and cargo operators, of whom the CL44s, and in 1977 the Transsing rapidly. Statistics means of surface transport are will continue to develop piece—Manchester to New York, with three largest are IAS Cargo Air—meridian group moved into jets, the literational Civil blocked by strikes—such as the meal, gaining strength and a 5p discount for off-peak ship—lines and Trans-with three largest and Trans-with th

On the ground there is price competitive proposals. airlines, which carry an include a proposed U.K.-Latin freight market needs world-wide many airports where cargo is year. Under the scheme, the freight to and from Britain is in long-haul cargo work to the

HOUT the world, the freight still only use it on an might work wonders. As it is, kilo for containerised freight carried by the independent all- grown to eight swing-tail

e International Civil blocked by strikes—such as the Organisation show that U.S. ports strike of recent all volume of cargo weeks. Far fewer shippers than achieving the swift and 1977 rose by 7.6 per their sole means of distribution, 8.4m. tonnes, the bigual increase seen this to the faster turnover that air Af the same time all transport can provide.

At the same time all trans

per cent. a year.

Another factor is the need to Government forced British Aircity to good use. The majority has also developed rapidly in rapidly.

Slow recovery of of regularly scheduled all-policy last June, after it had world economies from freight services than is the case boosted business by 30 per biggest in the business, have prop CL44s and a Bell Jet of late 1973, the trum of international destination and submitting it to BA and a late of particle of late 1973, the trum of international destination and submitting it to BA and a late of particle of particl

if it is really to achieve the

Michael Donne Aerospace Correspondent

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Containers continued from previous page

trate a crime rather than Instead, it is expected to slump

A second major worry for the Antidote

scheduled air trans activity. Even where more try still has a long enlightened attitudes exist, the before cargo is likely documentation that is required large a contribution is redious and time-consuming, nes' revenues as the already does, requiring considerable physical eakthrough into the effort in preparation.

A lucky accident has resided over-capacity.

A lucky accident has resplied by the Japanese firm of Kawasaki, is now nearly combuted to the present estimated by the general gloom. Container trade there has gone through an entirely untypical boom—now beginning to taper off—and Cunard Steam Ships has town of the effort in preparation.

A lucky accident has resplied by the Japanese firm of Kawasaki, is now nearly combuted are transport. A \$27m. plant for the manufacturer of constitution is an antidote to the manufacturer of considerable physical for the plant will have an antidote to the form the first—represent the solution in constitution is an antidote to the form an antidote to the form the first—represent the solution in constant the plant will have an antidote

y customers for air value of such a development, no doubt . . . that since we beneath those offered by other sation still proceeds. At Felix-

factor has been the of adequate facilities is fre-report on the future pattern of placed the order there has container lines, not only in the stowe, on into service of an quently to be found in the counnumber of new wide tries of the Third World, where lished two years later, said that considerable falling-off in the atlantic routes. The shipping the aid of £2m. investment. The

he cargo flows. The match the primitive arrange and the Europe-South Africa many of which are badly needed to match the primitive arrange and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) that the primitive arrange and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) that the primitive arrange and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) that the primitive arrange and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) by the developing world, are growing predominance in the per year. By 19S1, the port agreement of the primitive arrange and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) by the developing world, are growing predominance in the per year. By 19S1, the port agreement of the primitive arrange and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) to be handling around agreement to go container by the City of Durban.

Mr Martin-Ienkins' speech has, ironically, threatened the standard small container size) that the South Africa many of which are badly needed has, ironically, threatened the standard small container size) and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) and the Europe-South Africa many of which are badly needed has, ironically, threatened the standard small container size) and the Europe-South are standard small container size manufacturers see the Abakan ampton, too, which will bandle
Mr. Martin-Jenkins' speech plant as a threat not just to the South African container

Elsewhere, and less spectacu-

1976), published by Containerisation International, shows the established container lines is

The Middle East over the past top four ports with over 1m.

the rapidly increasing strength
few years has provided some.

(1790,000) Kohe (1245,491)

Hamburg and Leghorn.

A final note of perspective; it should be remembered that containerisation still has a long way to go. Around 90 per cent. of tonnage is still carried by the conventional cargo ships.

John Lloyd

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A programme of sound commercial investment is essential to keep Britain's ports competitive and profitable. That's why the British Transport Docks Board is investing millions of pounds every year in its ports to help Britain's overseas trade. Much of this money will be spent on specialised new berths-like the one just completed at Southampton for the United Kingdom-South Africa container trade. The rest is being used for improving facilities and installing new equipment in South Wales, on the Humber, and at other Docks Board ports. In a highly competitive market, the Docks Board has succeeded in

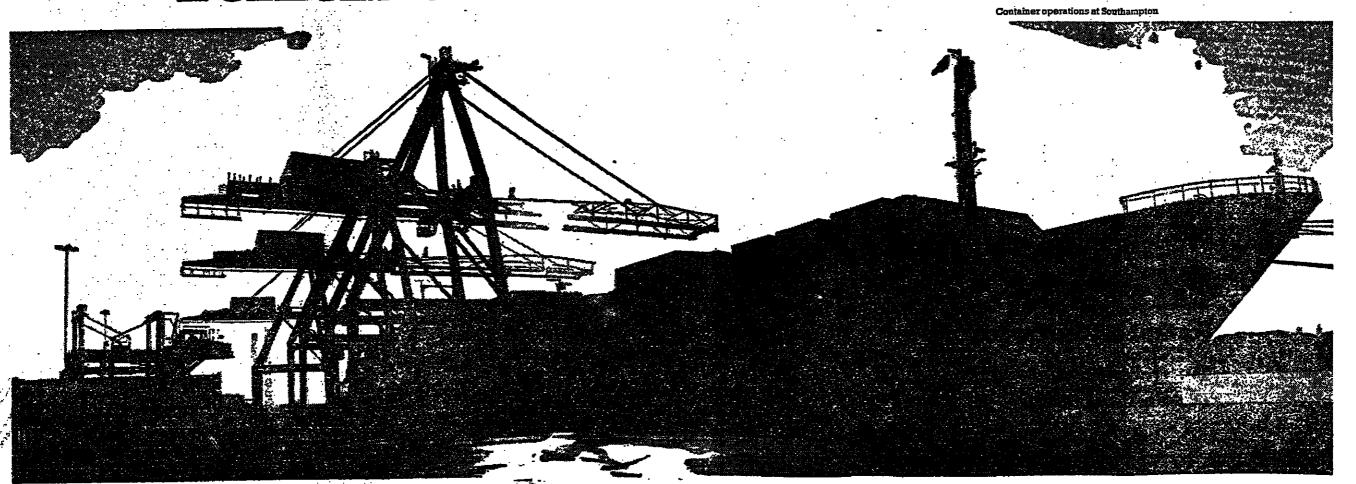
increasing its share of trade, and today its nineteen ports handle

one quarter of Britain's seaborne traffic. At the same time the Board is generating the cash flow necessary to finance its investment programme from its own operations, without recourse to borrowing. Over the last few years the Board has steadily increased its profitability, achieving a return on capital of 15.5 per cent in 1976.

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Major airline plans

activities is revealed dramati- Masters Air Cargo. British airlines.

Centrepiece of British Cale Crucial of cargo cach year. The system designed to simplify cargo vastly greater volume of interonuld be expanded to handle handling paper work, and in national air cargo expected in air cargo market, followed by
500,000 tonnes and next year is some cases to eliminate much of the 1980s.

Interior a destination of the third most important air cargo market, followed by
the U.S. which received 3,300
Ideally the airline would like of air cargo expected in the cargo market, followed by
the U.S. which received 3,300
Ideally the airline would like of air cargo experiment. Most 500,000 tonnes and next year is some cases to eliminate much of the 1980s.

moving all cargo, including computer-based cargo handling rity. Over the period 1976-1981. To cope with this current and in response to its most immediately makers into the 1980s, pallets and containers in system will be linked with the growth in world air cargo anticipated demand. British are need. In the medium-term it and out of B.Cal's new freight changes in Customs clearance is expected to increase by an Airman is increased. and out of B.Cal's new freight changes in Customs clearance is expected to increase by an Airways is investing steadily in firmly believes it will purchase

airlines' growing air freight designed and produced by a central computer for all cargo airline passengers.

The plans may not have an period of major change, when operation in the 1980s. immediate impact on the inthe long-awaited rationalisation. This computer, the British ably be a continued healthy profile of a modern jet transdustries serving the world airof its long-haul and short-haul Airways BA80 system and the performance in trade between port. lines, as much of the techoperations may be accomplished other airlines' equivalents will Europe and central and
nology required for growth
using new and as yet un-named interface with the ACPSO southern Africa.

already exists. Instead, the exaircraft. The future of the air'switch' junction. The comalready exists. Instead, the exarcraft. The future of the air 'switch' junction. The compansion is likely to be hondled line's cargo operations, and the pleted systems have been through growing numbers of rate at which it can be ex-necessitated by the forthcoming panded, depends to a large ex-withdrawal of the National Data panded, depends to a large ex-withdrawal of the National Data be expected on the routes be expected on the routes are at which it can be expected by the forthcoming are at which it can be expected by the forthcoming are at which it can be expected by the forthcoming are at which it can be expected by the forthcoming are at a second are at a secon

existing aircraft pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, trucks panded, depends to a large ex-withdrawar of the careful pallets, and the careful pallet

system will handle freight cargo operations by the early tion of matching consignments Next was the African market. The airline would like to take transport equipment. The BASO, will have a crucial impact equipment will be used to equipment on the profitability and efficiency to the page transport of the page transport on the profitability and efficiency to the page transport of the page trans

THE PATTERN of changes in facility, with a minimum of man-procedure. Her Majesty's average of 11.6 per cent., a ground equipment. Plans altechnology to cope with the handling. The system has been Customs and Excise is planning higher rate of growth than for ready announced call for the

into and out of Heathrow, This The most rapid growth is next year, on 99 new complete cally in current plans from In the case of British Air. is the HMC80 computer project, likely to be in the trade between igloo-shaped type 149 cargo ways, the airline is entering a also destined to go into full Europe and the South Pacific packages. These are shaped to regions, while there will prob- fit saughy inside the fuselage

for imports arriving by air. This slightly higher rate of growth

equipment will be used to equip the new cargo centre under construction by the British Airconstruction by the British Aircon

With no immediate plans to invest in cargo-only aircraft.

is now used by all airlines is expected in eastbound trade and other airlines over their from the U.S. programme, announced isst autumn, is a £250,000 semiautumn, is a £250,000 semiautumatic mechanical handling system which will be fully operational by this autumn. The puterisation of British Airways' system will handle freight puterisation of British Airways' system will handle freight cargo operations by the early tion of matching rensignments Next was the Africa ment aircraft for an introduction into service in the middle constant of British Airways' to ment aircraft for an introduction into service in the Heathrow cargo export customer, with 8,000 to late 1980s has to an extent control of matching rensignments Next was the African market. The airline would like to take

expected to have a capacity of it all together. In most cases of An idea of the expected in tonnes a month. The Far East to go ahead with the purchase of this will be conventional; airlines operating out of creases may be given from received 1,400 tonnes a month of derivatives of the British Caledonian London's Heathrow airport, the figures published by the Intersected in tonnes a month of derivatives of the British igloo pattern "universal load-system will provide a means of move to a more comprehensive national Air Transport Authors took below 1,400 tonnes.

A British Caledonian Airways Boeing 707 freighter at Houston Intercontinental Airport. The airline recently introduced a weekly Texacargo service between

a wide-bodied aircraft, possibly. from a European consortium, for use on short-haul European

The choice of a wide-bodied aircraft on the short-haul flights . to Europe in place of the existing narrow-bodied Tridents will open up even further the field

London and Houston, Texas. The future for rail

North America. The French, quarter of the world total West German , and Japanese in every other continent, in Governments may all be talk from Western Europe and Special ing of cutting back on the grow- America, rail still carries indi ing bill for financial support of freight than road transport. their rail systems. But in the Nonetheless, rail remains world as a whole railways are major international freight & a boom business.

In the 1950s and 1960s the tiguous land frontiers, such total volume of freight, in in Western Europe and last terms of ton-miles, moved by America (where a new age the world's railways grew by ment has recently been sign about 4-5 per cent. a year, a to simplify cross-frontier vi rate which means that the total freight procedures). In the business being done doubled France and West Germany, I within 20 years. The rate of example, more internation ncrease may have fallen in freight traffic goes by rail the Western Europe and North by either inland waterway America in the last few years road. of recession. But elsewhere—in Asia, the Soviet Union, Africa, Saving the Middle East, and parts of Latin America—freight traffic. The containerisation of t has continued to grow.

It is a business, too, in which in the last ten years has a large sums are being invested given rail freight systems; in many parts of the world major role. In Britain, for a According to estimates com ample, maritime container of piled by the International Rail- fic has been the saving of t way Journal, around \$U.S.Son. Freightliner concept. Of the 9 is likely to be spent on new tonnes a year of containers track or equipment this year by cargo Freightliners is now car 46 of the world's railway ing, something like two this administrations; and this figure stems from the maritime of does not take into account the tainer trade. On the Contina sums which will be invested by container traffic is also a maje some of the biggest railway rail business, and increasing systems such as those in the so. In France, for examp U.S. and the USSR

spent on new or improved track. Similarly, they run from Rott signalling, and electrification dam and Antwerp to destrict the flow Countries. Gi Middle East, parts of Asia and many, Switzerland, and Italy. Eastern Europe new routes are being laid specifically to carry freight. In the developing cross-Channel train ferries countries railways are seen as also being much improved. F. having a major role to play in years while the Channel Tunn the creation of a new or project remained alive Britistronger industrial base. Road Rail concentrated upon develo based freight distribution sys-ing its Harwich-Zeebrugge co tems are being improved too. tainer ship service. A ri But where the distances are tunnel across to the Contine long, the loads to be carried are would have transformed at heavy, and the flows of traffic freight services rail could offi are likely to be substantial, then but this prospect has now, eli there is a place for railway con- disappeared (for the time bel struction and modernisation.

Longer

established a century or more to be made each day. ago, money is being spent to capacity available here at the USSR where distances roll-on roll-off alternative. B are long, in West Germany and there is space to space and many France where average rail hauls could be provided. are a good deal longer than in this country and where a very high proportion of rail traffic moves to or from (or both) private rail sidings, and in similar circumstances elsewhere, the advantages of rail in moving thick regular flows of traffic come into their own. Improvements in track, signalling, rollng stock, and motive power and the adoption of automatic data processing techniques for controlling freight and freight wagon movement—such OPS in Britain and GCTM in France—are raising the speed and reliability of full train load traffic and are helping to rationalise what in Britain is called wagon load traffic.

As one would expect geography sees that rail freight is more dominant in inland These containers are transport than in international freight movement. But it is a standards. much more dominant inland carrier in the world at large Other agreements have be than might be generally made or are being discuss assumed in Britain where rail's with Japanese companies share of the market has been falling steadily over the years. According to a recent study by Container Course. Given Research Laboratory, probably about 70 per cent of all inland freight movements—as measured in ton-miles in the world is by rail. This figure may be boosted by the very large quantities of freight which are moved by rail in the USSR -some 3,700m. ton-kilometres a year or about half the world

RAILWAYS MAY be a declin- total—and in North American ing industry in Britain and which accounts for a furni

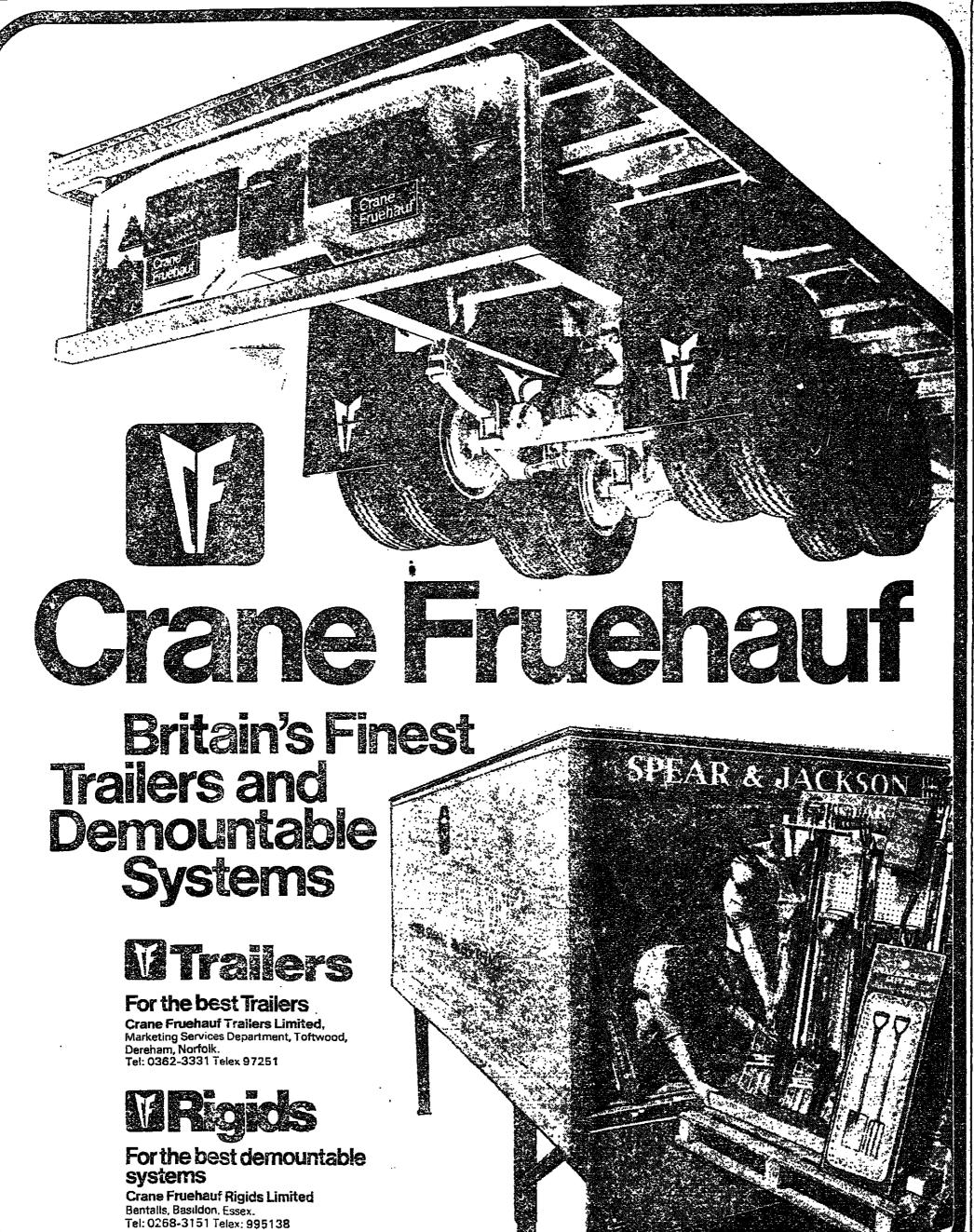
rier between countries with of

world's main dry cargo rout special container services at Of this sum, about \$U.S.0.6bn. will be going on new freight ports, and the principal etc cars and some \$U.S.3bn. will be omic centres in the count seitles, the two major contain

The services offered by at least). Meanwhile, the op ing of the new ferry terms at Gravelines, to the Dunkirk has shortened In the industrialised coun- crossing from Dover to tries, where railways were hours, which allows six freight handling the Harwich Zeebrugge run. In the U.S. and be small compared with Further affeld, more a

possibilities are being ope up. One of the mere spectace has been the Siberian bridge " to: Japan. Sin early 1970s this route has t up its share of Japan Eur freight movements to a per cent. Now Japan plant. The e plant--together with the 5:009: another plant comp turn Russia from a net i to a net exporter of co

Other agreements have equipping of new container b minals and the operation Russian practice of quatir exceedingly low prices for transport by Russian sin similarly low price transport across Siberian land bridg to become an ev petitive force



France's election: a case of Catch 22

By ROBERT MAUTHNER, Paris Correspondent

anties of the players. times, the public has symptoms of severe indigestion, its interest. ys been revived in the the knowledge that the ing election could well turning-point in pendulum has been so funda-

nationalised.

VOTERS may be three parties of the Left which predictable behaviour of the acrobatic career, has posed so Moscow, because of the can be explained by the Com- constantly proclaims that the stitutional crisis resulting from the control of the dramatic breakdown Communist party, the Left could many conditions for his co- Kremlin's distance for Euro-munist leader's desire to nail Communists intend to join a a permanent conflict between the resolutions on the resolutions on the resolutions of the Left and resolutions and its purposed the Socialists to the most before government of the Left and resolutions of the Left and resolutions. this morning and hear vision of their 1972 programme

10. campaign for the last September only briefly

Election on March 12 affected their support in the

officially opened to-day, country. This has been growafter like blowing the ing steadily since the presi
for the start of extra dential election in 1974, when

there is now within to greatly since the first of extra dential election in 1974, when

there is now within to greatly standing covernments in tion, with the Goldic frame of the election of the election of the first of extra dential election in 1974, when

there is now within to greatly standing covernments in tion, with the Goldic frame of the election of the ele



Though the Socialists intends to vote for the three taking that his party's candi. The reasons for M. Marchais's give the Socialists some 28 per tion of extreme policies, who Communist rally a few days the Government side. munists are still deeply parties of the Left in the first dates will withdraw in all con- attitude, which remained cent of the total vote in the have benefited from the break- ago. "The Socialist governments It has often been said that the over many aspects of round, compared with only 44 stituencies in which the Com- shrouded in mystery at the time first round compared with the down of their alliance. The of Schmidt, Callaghan and most difficult task in the world amon programme, they per cent. for the combined agree on the principle government parties—the Gaulagbear and the units of the country's nine major list RPR, the Giscardian Parties—the Giscardian Parties—the

ments under which candidates This would give them an stand down in favour of their absolute majority of some seven leading allies. Thus, the second seats in the 491-member round has in the recent past National Assembly and perhaps pendulum has been so funda.

The stand down in favour of their absolute majority of some seven leader did not even make an attempt to see M. Marchais. last autumn's negotiations on the revision of the common programme to responsible of provoking the Any new government of the Soviet leader did not even make an attempt to see M. Marchais. last autumn's negotiations on the revision of the common programme would persuade Left turned into a straight duel a little more if extreme Le

country's nine major list RPR, the Giscardian Partification and diverse and financial sector Centrist groups.

Sector Centrist groups.

Sector Centrist groups.

After the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the And even on the improbable of French development of the Left, the Socialists and Communists score of 21.3 per cent in the Social states.

After the Social states are considered in the Social states are considered in the Social states.

After the Social states are considered in the Social states are considered in the Social states.

After the Social states are considered in the Social states are considered in the Social states.

After the Social states are considered in the Social states Yet, because of the complica- entertaining the country with theory, that he engineered the alisation programme, the cost- Election in 1973. eryone's surprise, the tions of the two-round voting one of the most breath-taking collapse of the Union of the ing of their economic and social M. Marchais thus finds him-programme, the country is likely very close in the unenviable job

then they switch on their of the negotiations on the re-still throw away the victory operation with the Socialists and communism and its purported the Socialists to the mast before government of the Left and President Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and president Giscard d'Estaing and the manufacture of the left and the left an this morning and hear vision of their 1972 programme which is now within its grasp.

Left-wing Radicals, that the Election on March 12 affected their support in the been tailored to fit the Gallic their support in the support to the mast before a portanger on the support to the mast before the control of the support to the mast before the control of the support to the mast before the su

for the start of extra dential election in 1974, when there are a seemingly endless M. Giscard d'Estaing narrowly furing which both sides deteated M. Francois, Mitter round, knowing that the results more effort into kick-rand, the Socialist leader and the final and that they sword of Damocles over the furing which not have been too boisterous ball into their own net only slightly more than I perform they wars now. It can only slightly more than I perform they wars now. It can only slightly more than I perform they wars now. It can only slightly more than they possition.

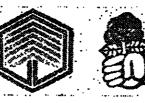
The body of the start of extra dential election in 1974, when there are seemingly endless M. Giscard d'Estaing narrowly intore the final and that they sword of Damocles over the cannot take such a step of the French Communist Party in February 1976, at which they do not the good of the country. The public opinion of how the Communists shed their Stallnist for the good of the country. The public opinion of how the Communists shed their Stallnist for the good of the country. In theory any candidates who have obtained at least 12.5 [Fornch people after 20 years of conservative attitude can influence the outhant they would be contained by the communists shed their Stallnist for the good of the country. In the swing of the political who have obtained at least 12.5 [Fornch people after 20 years of conservative attitude can influence the outhant they would be contained by the communist shed their Stallnist for the form the first ballot and adopted an agreement on a common because the first people after ageneral election, though the sword of Damocles over the election and the future of the form in the first people against ment only on the condition.

Ever since the 22nd Congress Socialist opposition.

Ever since the 22nd Congress for the Hervilla to more than they would. He communist shed their Stallnist for the form they would. He of the construction of how the Communists shed their Stallnist for the form the first ballot and adopted an aggree of crit

nents between the system in France and the un-tight-rope acts of his long, Left under pressure from policies and nuclear defence self in a Catch 22 situation. He to be faced with a serious con-stakes.

round. But in practice, the two mentary seats against the criticise the Russians on fremain opposing camps have in government coalition's 220 if quent occasions for their treat-most cases closed their internal there is a single candidate of ment of dissidents and during ranks and have made arrange- the Left in the second round. Mr. Leonid Brezhnev's last visit ments under which candidates This would give them an to France in June 1977, the



if only for fear of being held will certainly be much smaller, responsible of provoking the Any new government of the a British General Elecifferences, the British
tive and Labour parties
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that the Communists will are
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size and the other government coaliwided to a mixed
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and the preservation
to woo way even very discondistinct the other government parties who, in spite of
sourcain parties with the socialists
and the other government coaliwhere the case of the Left in optical
that the communists will not be the election in the trade unions, who have been
with a fundamental
the frequent and virulent
site and the other government coaliwhere the reasons, the
tentions have become much
the majority of constithat the prospects for France less be applied less rigorously.

In that the prospects for the Left in the parties who in spite of
sovernment parties winding to the the majority of constithat the prospects for the thet would boost its support in the
socialists. The leaction is over. Prime Minister, M. Raymond
the French Communists of the Left in the first than can less aid is party was the only send that the communists of the Left in the first than the communists of the Left in the first than the Communists of the left only state in the proposed should
the communist of the election to the first than the Communists will not the
the proposed should demonthe end proposed should demonto the communist in a strong the control of the Left in the first darks will within the only salvaserved

will at least agree to an elec- lition wins the election, the toral pact after the first round country's economic problems

the Left are able to agree on a running President Jimmy Carter

Letters to the Editor

d prices osion

to banks and institun they were not to
oans for the purchase
thereby forcing those

to-date elines

L. Kent. recent months and February 16, there has oendous concern over supply in relation to lines stipulated by the during its visit to Lon-vember 1976.

like to draw attention agaries of agreements From the Managing Director, forecasts made fifteen Foundain Farming ured since then. I ask pension fund investment in agri- bility as a profession.

This is patent nonsense. This whole strategy, not least as an act of faith. Do we judge is the "black list" and int sanctions, Mr. J. H. sently states. "If ceranies operate at a level cy that enables them newhat more than the the at the same time the most competitive then I would have is was entirely whole."

**This is patent nonsense. This the success of British agriculture. Let us hope that a new Government is the success of British agriculture. Let us hope that a new Government is have the success of British agriculture. Let us hope that a new Government is hear and give the sand give the sand give the sand give the sand solely on whether they make a short-term profit? It is not even and capital taxation is concerned. Anthony Rosen. Moor Hatches. West Amesbury. West Amesbury. Solisbury. Witts.

**This is patent nonsense. This three success of British agriculture.

Let us hope that a new Government is hear and give the sand capital taxation is concerned. Anthony Rosen.

Moor Hatches.

West Amesbury.

Solisbury. Witts.**

Council From the Managing Director.

**This is patent nonsense. This three success of British agriculture.

Let us hope that a new Government is being act of faith. Do we judge the courage both to frestind this Act and give the sand capital taxation is concerned. Anthony Rosen.

Moor Hatches.

Solisbury. Witts.**

Council From the Managing Director.

the at the same time that is needed is loan guarantee, the most competitive them and the competitive them and the competitive them of would have is was entirely whole the whole scheme, should be held up or endangered. It be whole scheme, should be held up or endangered. It be whole scheme, should be held up or endangered. It be whole scheme, should be held up or endangered. It was the whole scheme, should be the form the Prospective Parliament. It was suggested that it least that the least Surrey. It was suggested that it levels of

we have never lacked determina-tion. All we need, I repeat, is help from the Government. even if that amounts only to letting us get on with the job unhindered, which we are more Horace Cutler County Hall, S.E.I.

Funds and tarms

artier, especially after Sir,—Mr. N. C. McLeod accountancy profession and for A. S. L. Owensmith, predictable events that (February 15) comments upon its present low status and credi- 87 Burgh Heath Road, Epsom,

V. Brodley.

other invitation to the IMF in where "the family" supplies all of observations.

order that more up-to-date guide the labour as well as the capital; Although accounting has been e are housebuilders and lines are established and based or more possibly be may be using taught within most U.K. Univer

tion is intended then I fail to for a complete re-examination of see any possible way in which its methodology (or lack of it!) they should produce more than as a social science.

Teaching still often tends to farms.

Teaching still often tends to farms.

Mr. McLeod has also missed and the first and farms.

The first product the first and farms are completed to first product the first product product the first product the

thereby forcing those and individuals to use resources in acquiring the second of the special description of some comparably managed farms.

London's

Londo

Dormans Corner. Lingfield, Surrey. Sorting out the standards

From Professor E. Louie Sir.—It is surely misguided to suppose as Mr. C. W. Foreman appears to (Sorting out your standards. February 8) that accounting standards can be a cure for both the welter of misinformation that is removed the misinformation of the misinformation out your gories as a stimulus to innovation with the amn of providing emolyment so that neonly could be misinformation.

McLeod

**McLeod*

the question "Are those guide-cultural land and family farms. In my opinion the basic problines significant to-day?".

I wonder if it is reasonable to lem rests with the profession's Defence of the problem are Report of the problem are Report of the problem are Report of the problem are the content should at least extend an using the European definition suggested in the following kinds of the invitation to the IMF in where "the family supplies all of observations.

ronted with massive on the current state of the the American one where "the sities for some decades now, it in the price of build-economy. Perhaps, in doing so, family "supplies the capital but is still mainly as an "adjunct tactics for thir which is beginning to the monthly money supply con the labour may well be paid subject to economics" and has not been fully integrated into on Wednesday.

1972—when too much desirable volatility in the finan
1973—when too much desirable volatility in the finan
1974—when too much desirable volatility in the finan
1975—when too much desirable volatility in the finan
1975—when too much desirable volatility in the finan
1976—when too much desirable volatility in the finan
1978—when too much desirable volatility in the finan-In the former case, I wonder the mainstream of social markets—where judgments what possible reason he can science teaching, moreover it apple remedy would be remedy would be seded by events—could—be to banks and institut they were not to banks and institut they make they are sent they are they could they could the mainstream of section.

**In Alfred Atherton, U.S. Assist Mr. Robert Fell

ment sources.
Unlike the Arts Council grants
(which broadly cover losses)
successful new products are
directly related to employment. profits and export earnings and therefore there appears to be a strong case for an "Innuvation Council" with a budget of (say) £5m. to assist equally deserving people in this important creative rea. One of the functions of the

"Innovation Council" might be to make annual awards for the

To-day's Events

Defence White Paper published. Dr. David Owen, Foreign Secre-

tary, holds talks in London with Rhodesian nationalist leader the Rev. Ndahaningi Sithole. EEC Finance Ministers meet,

Brussels.

Scottish National Party MPs North by-election (polling day works, meet in Glasgow to discuss their March 2).

Sir I tactics for third reading of Scotland Bill in House of Commons on Wednesday.

Wednesday.

Works.

Sir Peter Vanneck, Lord Mayor of London, receives Sr. Miguel Colas Piquer, Mayor of Reus, Tarpage 5.

E.C.4.

Atlantic Group meeting, House of

TUC Finance and General Purposes Committee meets.

Dr. Joseph Luns, NATO

sceretary-general, speaks on "The Fiture of NATO" at European-Atlantic Group meeting House of Committee and Housing now 30 days instead of 45, but Corporation Bill, and Employment time that can be spent in U.S. Subsidies Bill, second readings.

OFFICIAL STATISTICS

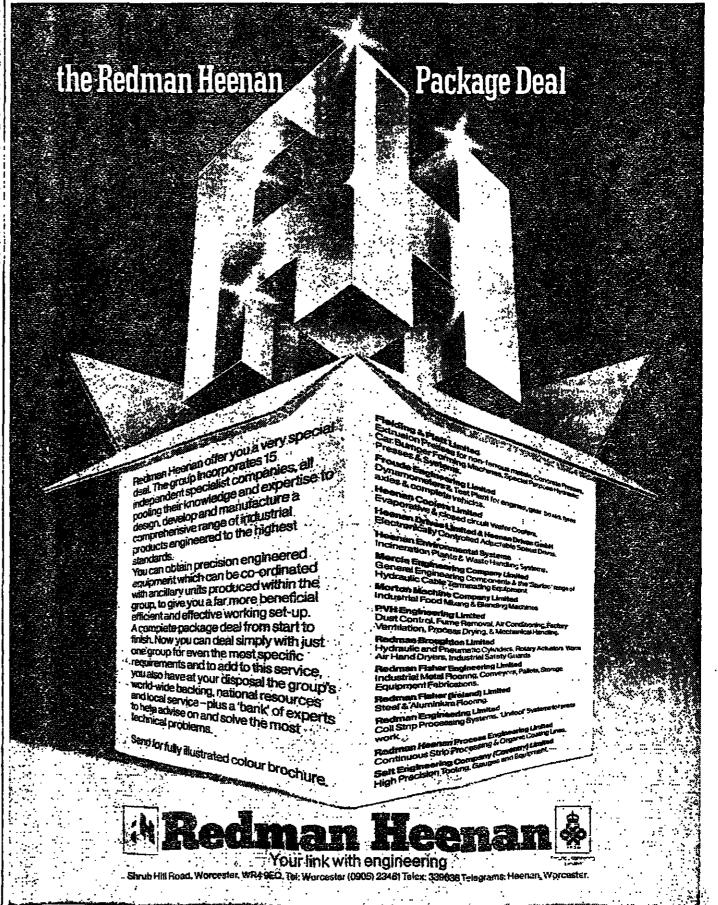
Preliminary estimate of gross

Preliminary estimate of gross Second technical mission from domestic product based on outommons.

Nippon Steel leaves for China to put data: and turnover of motor Nominations close for Ilford discuss renovation of inland steel-trades (4th quarter).

See Week's Financial Diary on

Philip Pilkington (piano) in recital of works by J. S. Bach and Becthoven, St. Lawrence Jewry next Guildhall FC 2.1 n.m.



to continue the progress made over recent years. Mr. Tom Cowie.

The directors policy of expansion will be maintained with prospec-

tive acquisition being constantly explored, Mr. Cowie comments.

growth potential the chairman

Ang.-African

£179,719 for the previous year after tax of £78,535 compared with

Eurnings per 71p share are 2.64p (1.95p) and the dividend is stepped up to 1.125p (0.75p) for the period with a net 0.5625p final.

£243.902

company T. Cowie is well placed BOARD MEETINGS

profitability.

Following the unsuccessful offer for Colmore Investments the group has retained a 29.9 per conti helding which is assessed to the continuous continuous training which is assessed to the continuous continu

As reported on January 18, taxable profits for the year to September 30, 1977, climbed 50 per cent, to £1.4m. on sales ahead at £17.05m. (£25.56m.). The net dividend is raised to 1.7044p £29m. with a profit increase of (1.526p). At year end net liquid £76.519 to £348.764 is reported by funds were down £1.01m (1.904).

finds were down £1.01m. (up Midland Shires Farmers, the £0.22m.) and bank overdrafts Worcester based agricultural stood at £5.99m. (£5.01m.).

Mercantile Credit Company, a The directors are recommend-

net investment rose 84 per rent to £0.59m. showed increased ment Reserves are increased by

profitability, and has considerable for 000. Strong support by

If the more favourable level of money costs seen since in the second half is maintained the finance division will make further advance on the £357,000 prout reported for 1378/77. Banking and fit and is recommending a dividend at the maximum permis-

instalment credit made steady dividend at the maximum permis-progress and net investment in sible level. this sector was up more than £1m. In other marketing activities.

Co., for the 18 months to July 19 plants—made worthwhile contri-1977 emerged as £243,902 against butions.

BENLOX HCLDINGS that it has been cut off from its

Improved supplies of new shown below are mased icles ensuring continued year's threeable TO-DAY

cent, holding which is currently ment. Marchard producing a 21 per cent, return.

COMPANY NEWS

the chairman, says in his annual report.

Results for the first quarter of the current year are satisfactory and he is hopeful that there will be improved supplies of new means are said many and he is moreful that there will show below are based mainly on last be improved supplies of new means and mainly on last shown below are based mainly on last sentence.

The following companies have notined the sub-divisions are not available whether fividends concerned are possible in the sub-divisions and Firsh Brown Fig. 2.

Midland

Barclays Bank subsidiars, holds ing an interest rate of 12 per cent, chants and general ironmongers 3.36m, shares.

On share capital and a bonus to Henry Norrington and Son re-

3.36m. shares.

A 70 per cent, jump in profit member, on qualifying trade of ports a decline in pre-tax profits of £1.05m, by the motor division 2 per cent, plus bonuses on eggs from a peak £181 745 to £115.508 was attributed to improvement in marketed through the society of for the year to September 30, profitability of the company's 4p per case in addition to the 1977 in line with the forecast bonuses already paid.

The profits already paid and a nonus to Henry Evertuation and September 30.

The profits already paid and a nonus to Henry Evertuation and September 30.

The profits already paid and a nonus to Henry Evertuation and September 30.

The profits already paid and a nonus to Henry Evertuation and September 30.

The volume of motor cycle sales | Interest on loan capital has surplus was lower at £65,000 fell during the year and the num already been paid at 12 per cent. against £104,000.

ber of ouriets was reduced The total recommended distribu-accordingly, but the directors still tions of share interest and bonus £13,65m. £10,17m.) and profit was

depots will continue to contribute to profit and profit to profit profit

members in reinvestment of bonuses paid placed the company

in other marketing activities, cuss the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which market and the egg station, handled a controversial share successful years were recorded and plans are in hand to improve and placing last year for Edinburgh lindustrial Holdings. The placing aris marketing for members.

ARG-AFTICAN

The least expansions in cattering services the conduct of stockbrokers both stockbrokers the conduct of stockbrokers both stockbrokers and conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable. A. J. Bekhor and Co., which was the conduct of stockbrokers both at the fruit and vegetable at the conduct of stockbrokers between the conduct of stockbrokers between the conduct of stockbr

The latest expansions in activi-

Turner &

Newall on

Rhodesia

T. Cowie well placed for more growth

stockholders. It may be some time before this is possible, they add.

Norrington

Agricultural engineers, mer-

Full-year turnover amounted to

Retained profit dropped to \$38,998 compared with \$69,679.

S.E. Council to meet on

share placing

In other marketing activities, cuss the conduct of stockbrokers

Turner and Newall points out EIH announced in March, 1977.

authorities permit access to in- meeting but also forced the com- Oils)

THE STOCK Exchange Council

will be meeting this week to dis-

ties—the wholly owned machinery a Stock Exchange investigation redemption of mortgages repaid business of Richard Colwill and which began last August and is during the year. Auditors, Thom-the expanded seed processing now complete.

Unlike three other reports pub-feel this surplus should have been

to decide whether to treat the

ElH affair as an internal matter or whether to continue the recent

that it proposed to issue 2.5m. Ordinary shares to clients of A. J.

trend and publish details.

Financial Times Monday February 20 1978

Mr. A. B. Richards has been ment services for the MERYNA appointed chairman (non-execut HUGHES GROUP.
tive) of UNITED DOMINIONS *

Dr. Mike Smith and Mr. Ron international division from March Ogle have joined the main Board T.Mr. P. M. Howlett, currently a of ARGOS DISTRIBUTORS. Both director of Ferodo, will be the were appointed associate direct new division's general manager. Mr. Ronald E. Fischbacher has

to £1,272.525.

Identified Lawrence expects the current year's results to show an improvement on last year's since last August was assistant of the Prudential Assurance Carefully and Mr. J. R. Chief investment manager between has been appointed consultant on property investment to FIELD and profits are following a similar nattern to 1976-77.

Inc. Mr. Plimmier, A. C. Oakley Eccleston, bank's West End Trust branch former assistant chief surveyor improvement of the Prudential Assurance Carefully and profits are following a similar nattern to 1976-77.

Inc. Mr. Plimmier, A. C. Oakley Eccleston, bank's West End Trust branch former assistant chief surveyor chief investment manager between has been appointed consultant on property investment to FIELD.

Inc. Mr. Plimmier, A. C. Oakley Eccleston, bank's West End Trust branch former assistant chief surveyor chief surveyor

Mr. Oliver Philpot, who has be-come a member of the NATIONAL group's re-organisation is behind ADVISORY COUNCIL ON EM-it, bank interest rates are lower, PLOYMENT OF DISABLED it, bank interest rates are expect. PEOPLE, is managing director or scientific oncer) of use and its manufacturers are expect. PEOPLE, is managing director or scientific oncer) of GEOLOGICAL ing a further upturn in market Remploy. Mr. Geoffrey Gilbertson, TOTE OF GEOLOGICAL is succession to the cars and a Remploy non-executive director; SCIENCES in succession to the

> Mr. Giyn Lloyd, a member the TUC General Council and an executive committee member of the Union of Construction Allied Trades and Technicians, has been appointed as a member of the OCCUPATIONAL PEN-SIONS BOARD. He succeeds Mr. new appointed after consultation with

> > Mr. T. C. Walker has joined the

FERODO, a subsidiary of Turner and Newall, is creating an

becoming chairman of Ferodo GinbH (Federal German Republic) and a director of Ferogor Italiana. He will also co-ordinate the activities of Ferodo in South Africa, of Nuturn in the U.S.A. and of the friction materials divi-sion of Hindustan Ferodo, and will lizise with associated Ferodo companies in Australia, Beighing France, Italy and Spain. As joint managing director of Ferodo. Mr. Mr. Holland reports that 80 per than the valuation figure, but in ments.

Mr. Holland reports that 80 per than the valuation figure, but in ments.

The directors are of the opinion sales in the year were either directly exported or sold by that the remaining properties become a non-executive director will replace Mr. F. G. Carter on its overseas subsidiaries and of might not realise the full valuation for the WELLMAN ENGINEERING the Board of Turner and Newall's its home sales, a considerable protion figures if they were sold now. CORPORATION. In addition to be subsidiary, Brake Linings, He will become

Machin and Kingsley, part of the Fitch Lovell group, has been elected charman of the panel-products importers section of the TIMBER TRADES FEDERATION:

Dr. P. A. Sabine, formerly assistant director (chief geochemist), has become deputy director (chief scientific officer) of the INSTITUTE OF GEOLOGICAL

penetration for both cars and a Remploy non-executive director. SCIENCES in succession to the commercial vehicles.

Cheltenham & GEOLOGICAL a Remploy non-executive director. SCIENCES in succession to the has been re-appointed chalfman late Dr. W. Bullerwell. Mr. P. J. of the Council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council and Mr. R. S. J. Moore, formerly head of analytication of the council analytication of the council and Mr. R. S. J. Moore, formerly head of analyticatio geochemist) in succession to Dr. Sabine.

SIMCO MONEY FUNDS Saturn Investment

Rates of deposits of £1,000 and upwards for w/e 19278 7 day Fund

In his annual statement with time has been at pains to stress accounts, Mr. A. D. R. Holland, the that this does not reflect chairman of Lincroft Kilgour dissatisfaction with the London TRUST (Scotland), the newly-Mr. Michael F. Singer has formed UDT subsidiary. Other joined the Board of NATIONAL directors are Mr. A. R. Morrison ELECTRICAL SUPPLIES COM. (managing), Mr. W. S. Turnbull PANY, part of the Crown House (sales), Mr. C. C. Mudie (business finance), Mr. L. A. Miller and Mr. director.

E. R. Bishop (director and secretary).

tary). were appointed associate directors in March last year. Dr. Smith is director, marketing planning and Mr. Ogle is director, finance.

been made technical director of GEC-MARCONI PROCESS CON-TROL in 1972, Mr. Fischbacher A statement of source and the accounts is based on SCP GEC-MARCONI PROCESS CONapplication of funds shows that tember, 1973, valuation.

TROL in 1972, Mr. Fischbacher increased by £1.018.870 (£287,753 sold in December, 1977, after the decrease).

GEC-MARCONI PROCESS CONTROL in 1972, Mr. Fischbacher on the properties was appointed technical director of GEC-Elliott Process Instru-

either directly exported or sold by its overseas subsidiaries and of might not realise the full valuation is home sales, a considerable proportion were exported indirectly by cloth shops and tailors.

During the rear the largest part of the clothing division, the Yorkshire-based section, hecan to reap the henefit of the rationalisation of its production carried out in 1975-76. This has now been carried a stage further by the complete reconstruction of its management team and further steps are in hand to achieve better production. The report of the state of affairs are in hand to achieve better production. The bespoke tailoring section had a very successful year states the chairman. However, in search of crowth, the showrooms at 33A. Dover Street were enlarged.

The short section in Ballymena.

The report of the auditors of the auditors of the Board of ARA Services. The report of the auditors of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services of the Board of ARA Services. The Board of ARA Services of the Board of ARA Services of the Board of ARA

pattern to 1976-77. However, the heavy cost of the

Gloucester

Another of the ton 20 building with the departure of Mr. Ken results for 1977. A 50 per cent.

Renton, the investment director, increase in the departure of Mr. Signature of will mean that only from to the during the year, to zerome has 11. G. Haley, who restened in managed from London. Approxi- record £37.8m, on mortgage—with October 1977 as the Board member mately £140m, will be adminissome £12.5m, of it on new appointed after consultation with stered in Bristol, with the remain- property, to increase its liquidity the TUC. ing £10m, managed in Scotland, ratio from 16.6 to 24.9 per cent.

The move to switch management At end-December, liquid funds.

Glanfield DIRECTORS OF

Outlook at

As reported on January 20, pre-tax profits jumped 36 per cent, to a record £1.04m, for the year to September 30, 1977, due to an in-creased volume of trade in the merchanting division allied with an upturn in demand for men's suits from the mail order trade during the second half.

Lawrence repeat in the report tand accounts their fear that cer-tain freehold properties might be included in the accounts at more than their realisable value.

11.328.628 for certain freehold properties shown in note 2 to As reported on January 20, pre-

Lincroft Kilgour

Group says that the outcome for operation.

1977-78 is viewed with a measure of optimism, notwithstanding any

unrealised exchange losses result-ing from sterling appreciation

Members are told that nusiness

in the merchanting division re-

mains satisfactory, as does demand for the products of all sections of

the clothing division, and sales are

presently running ahead of last

since the year-end.

shares to existing shareholders on

EIH itself looked into suggestions that some institutions which took up part of the placing sold

ment to remain firm holders for

two years. However, the Stock

Exchange investigation is under-

examination of personal dealings

Meanwhile, on a separate issue

unusual step of alerting Member

firms to possible abuses of the early disclosure requirements on

the cases of Senior Engineerin

an approach, and the more recent case of Marshall's Universal which was approached by a Mr. David Maltz over a partial bid. In both instances firm bids have failed to

Beaumont

progress to

Sir Cyril Black, the chairman of Beaumont Properties tells share-holders in his annual statement

that directors anticipate that the steady progress of the group will

As reported on February 3 pre-

Included in pre-tax profits for

FT Share

service

continue

be maintained.

future.

and subsequent dealings in EIH the year was an exceptional credit shares, have been the subject of of £117.190 being the surplus on

ing the past ten days, the EIH under the terms of SSAP No. 6, probe involves a member firm. Meeting, Winchester House, E.C., The Council will therefore have on March 20 at 2.30 p.m.

Stock Exchange members.

to have involved an

stood

formation and the situation has companies in possible take-over been fully assessed, they cannot situations. A letter was issued

been fully assessed, they cannot situations. A letter was issued make any meaningful report to on Friday, mentioning specifically

expresses optimism

during the second half.

A statement of source and the accounts is based on a Sepduring the second half.

which asked for its shares to be suspended last summer following an approach, and the more recent case of Marshall's Hallman.

ber 30. 1977, rose from £0.79m. Dover Street were enlarged.

to £1.02m. and the dividend total is lifted to 3.4664p (3.1512p) with a final of £3514p net.

Sir Cyril adds that the proups was halted by a move to a modern in the properties of £1.272.525.

At the \$1575 restriction of \$1.000 m Barties vine, Oktanoma.

The shirt section in Ballymena and was transferred to reserves.

With retained profits of £36.934 been appointed chief investment in lifted reserves from £447,064 manager of LLOYDS BANK investment.

The shirt section in Ballymena and was transferred to reserves.

With retained profits of £36.934 been appointed chief investment in lifted reserves from £447,064 manager of LLOYDS BANK investment.

The shirt section in Ballymena and was transferred to reserves.

With retained profits of £36.934 been appointed chief investment in lifted reserves from £447,064 manager of LLOYDS BANK investment.

The shirt section in Ballymena and was transferred to reserves.

With retained profits of £36.934 been appointed chief investment to £12.72.525. Improving liquid position, coupled factory with the latest machinery with proceeds of the recent one for the bulk production of high for-four rights issue, which will outlity shirts, which should entails some £1.87m., will enable able the shirt section not only to e the many enter export markets for the first purchasing time, but also to expand its exist-

Tyndall to reorganise

trust and life assurance group, is planning a major reorganisation of its investment department which will involve a larger portion of its £200m, worth of funds under management being handled

that as part of the reappraisal of in November 1965 and the directive Bekhor at a price of 12 per that as part of the reappraisal of in November 1965 and the directive Bekhor at a price of 12 per the Behox Group following recent tors hope that the company will be administrately followed to call a meeting of the trol of its interests. However the announcement. EIH share creditors of the wholly owned, they say that until the Rhodesian holders subsequently approved subsidiary. Frederick J. Minns Government of the day and other the placing at an extraordinary authorities permit access to in-meeting but also forced the same Oile). of the funds to Eristol has been were entered in the books at Board of Mervyn Hughes Alex-(section: a long-term objective of the £125.69m, and their book value andre Tic (International), as Tyndail Board, which at the same was slightly higher.

Abu Dhabi Investment Company

tax profits for the year to September 30, 1977, rose from £0.79m, to £1.02m, and the dividend total

Beaumont to examine the many opportunities of purchasing properties which offer a reasoning U.K. trade.

Meeting, 6. Belgrave Square,
S.W., March 21 at 12.30 p.m. able return on present lettings but which have potential for the

Tyndall, the Bristol-based unit

The following securities have been added to the Share Informa-

Tues. Wed. Thur. Fri./Sun. 3-Month Fund

These securities having been sold, this announcement appears as a matter of record only.

NEW ISSUE

and Company.

JANUARY, 1978



European Coal and Steel Community ("ECSC")

U.S. \$30,000,000

83 per cent. Notes due 15th February, 1985 Issue Price 99 per cent.

Interest payable annually on 15th February.

Kuwait Investment Company (S.A.K.)

Hill Samuel & Co. Limited

Abu Dhabi Investment Company

Arab African Bank - Cairo

Libyan Arab Foreign Bank

The National Commercial Bank, Saudi Arabia

Société Générale de Banque S.A.

Swiss Bank Corporation (Overseas) Limited

Alahli Bank of Kuwait (K.S.C.) American Express Middle East Development Company

Amsterdam-Rotterdam Bank N.V. Arab Finance Corporation S.A.L. The Arab and Morgan Grenfell Finance Company

B. A.I.I. (Middle East) Inc. Banca Commerciale Italiana Bank of Bahrain and Kuwait Banque Bruvelles Lambert S.A. Banque Internationale à Luxembourg S.A. Banque Nationale de Paris Banque Populaire Suisse S.A. Luxembourg Byblos Arab Finance Bank (Belgium) S.A. The Development Bank of Singapore Limited Dillon, Read Overseas Corporation Dresdner Bank Aktiengeselischaft First Boston AG. Frab Bank International

Kleinwort, Benson Limited

Kuhn Loob Lehman Brothers International Kuwait Financial Centre S.A.K. Kuwait Foreign Trading Contracting & Investment Co.

Kuwait International Investment Co. s.a.k.

Kuwait Pacific Finance Company Limited Manufacturers Hanover Limited Merrill Lynch International & Co. Morgan Stanley International Limited National Bank of Abu Dhabi Riyad Bank Ltd. Salomon Brothers International Limited Societe Arabe Internationale de Banque (S.A.I.B.) UBAN-Arab Japanese Finance Ltd. Union Bank of Switzerland (Securities) Limited Union de Banques Arabes et Europeennes - U.B.A.E. Union de Banques Arabes et Françaises - U.B.A.F.

£18,000,000 104 per cent. Sterling Foreign Currency Bonds 1988



Rowntree Mackintosh International

Guaranteed by

Rowntree Mackintosh Limited

J. Henry Schroder Wagg & Co. Limited

Algemene Bank Nederland N.V.

Deutsche Bank Aktiengesellschaft

Credit Suisse White Weld Limited Société Générale

Société Générale de Banque S.A. Alahli Bank of Kuwait (K.S.C.) A. E. Ames & Co. Amex Bank

The Arab and Morgan Grenfell Finance Company Banco Urquijo Hispano Americano Banca della Svizzera Italiana Bank Gutzwiller, Kurz, Bungener Bankers Trust International (Overeas) Ltd
Banque Arabe et Internationale d'Investissement (B.A.I.I.) Banque Française du Commerce Extérieur Banque Générale du Luxembourg S.A. Banque de Paris et des Pays-Bas Banque Nationale de Paris Banque Populaire Suisse SA Luxembourg Banque de l'Union Européeone Barclays Bank International

Caisse des Dépôts et Consignations Chemical Bank International Compagnie de Banque et d'Inv Crédit Commercial de France Crédit Industriel et Con

Creditanstalt-Bankverein Dewasy & Associés International S.C.S. European Banking Company First Chicago

E. F. Hutton & Co. N.V. Kidder, Peabody International Kredietbank N.V. - Kredietbank S.A. Lin

Kuhn Loeb Lohman Brothers International Kuwait Foreign Trading Contracting & Investment Co. (S.A.K.) Kuwait International Investment Co. (S.A.K.) Lloyds Bank International Lond Rhoades Intern

Lazard Brothers & Co., McLeod, Young, Weir International Memil Lynch International & Co. B. Metzier seel. Sohn & Co. Morgan Grenfell & Co. Morgan Stanley International MTBC & Schroder Bank S.A. National Bank of Abu Dhabi

The National Commercial Bank of Saudi Nederlandsche Middenstandsbank N.V. The Nikka Securities Co., (Europe) Ltd. Nomura Europe N.V. Oversea-Chinese Banking Corporation

Ósterreichische Länderbank Peterbroack, Van Cempentiout, Kempen S.A. Pierson, Heldring & Pierson N.V.

Salomon Brothers International J. Henry Schroder & Co. S.A.L. Skandinaviska Enskilda Banken Singer and Fredlander mith Barney, Harris Upbern & Co. Société Genérale (France) Bank

Sofias S p.A. Sparbankernas Bank Swiss Bank Corporation Union de Banques Arabes et Françaises - U.B.A.F.

Westdeutsche Landesbank Girozentrale Wood Gundy Limited

Wardley Middle East Limited

Kichanding dividends Scaretable

ew weeks are given in the following table. The dates there of last year's amounteements except where the g Board meetings (indicated thuse) have been officially. It should be emphasised that the dividends to be ill not necessarily be at the aniounts or rates per cent.

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ota loaps B are I per cent. higher in each case than non.

. † Equal instalments of principal. ‡ Equal repayments.

NT ISSUES

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TIXED INTEREST STOCKS

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"RIGHTS" OFFERS

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date usually last day for dealing free of stamp duty. b Figure ins estimate. o Assumed dividend and yield. a Forecast dividend revious year's earnings. r Dividend and yield based on prospecture stimates for 1978. 9 Gross. T Figures assumed. I Cover allows shares not now ranking for dividend or ranking only for restricted ing price to public. pt Pence unless otherwise Indicated. I Issued ered to holders of Ordinary shares as a "razhis." "Rights illisation. If Minimum tonder price. 18 Reintroduced. I issued a reorganisation merger or take-over. Ill introduction. I Issued are holders. Minimum tetters for fully-paid. • Pravisional otment letters. * With watrants.

BASE LENDING RATES

ok	64%	■ Hill Samuel	649
h Banks Ltd.	61%	C. Hoare & Co	077
Express Bk.	61.%	Julian S. Hodge	749
k	61%	Hongkong & Shanghai	619
Ltd.	61%	Industrial Bk. of Scot.	639
k : Ltd. sbacher	81 og	Keyser Ullmann	619
Rilbao	6+5	Knawslev & Co. Ltd	9 0
redit & Cmce.	61%	Lloyds Bank	6 g
yprus	81%	London & European	840
i.s.w	618	London Mercantile	₽ <u>i</u> a
≥lge Ltd	61°6	Midland Bank	619
ı Rhone	7. %	■ Samuel Montagu	649
Bank	64 %	Morgan Grenfell	649
hristie Ltd	81%	National Westminster	6
loidings Ltd.	-7¥%	Norwich General Trust	610
of Mid. East	64%	P. S. Refson & Co	619
ipley	64%	Rossminster Accept'cs	619
rmanent AFT	8 %	Royal Bk. Canada Trust	619
& C Fin. Ltd.	9%	Schlesinger Limited	649
1	7%	E. S. Schwab	810
dings	8%	Security Trust Co. Ltd.	719
::se Japhet	64.6	Shenley Trust	910
tes	71%	Standard Chartered	619
ed Crews	ing in	Trade Dev. Bank	610
ve Bank*	61%	Trustee Savings Bank	619
Securities	61.2	Twentieth Century Bk.	739
mnais	64%	. United Bank of Knwait	610
s Popular BK.	64.6	Whiteaway Laidlaw	7 9
awrie	8÷ &	Williams & Glyn's	650
3t		Yorkshire Bank	610
ranscont			
lon Secs		Members of the Accepting 1 Committee.	3 61721
Fin. Corpn.		" 7-day deposits 2%, 1-month de	17:008
Secs. Ltd			
.bbs	610%	7 7-day deposits on sums of 1 and under 3.5, up to £25.60	£10,00
I Guaranty		and over 125,000 42%	
I GUZIANO:	aid.	2 Call deposits over \$1,000 3%.	

Alfa Romeo builds new Naples plant despite mounting losses

ALTA ROMEO. Italy's: State of the glant controlled motor manufacturing since the industrial controlled motor manufacturing is a first almost one year's discussion, which is part of the glant trade unions. The new plant. AlTA mone, with a combined planed a daily output from that 40,000, when production inside there years, despite the massive and mounting losses of its ALTA Sud operating losses of its ALTA Sud operating losses and industrial delicit (EMI) holding combined the massive and mounting losses are well as year have yet been published. The decision to go ahead with power in dustrial disputes in all losses will exceed the group's will strate unions. The decision to go ahead with power industrial disputes in all form the power in dustrial disputes in all form the production are waited and platinum are all principles. Some of the first the area to lapse because the daily output now arrived the daily output now arrived the daily output now the control of the delay in green and trade unions. The new labour control, which is scheduled to come into inside three years, and the production inside three years, and the production inside three years, and the production inside the scheduled to come into inside there years, and the production inside three years, and the production inside the same reasoning that the production of the delay in green and trade unions. The new plant is ground at the manufacture of medium-sized initially planed a daily output now and it concentrate on the manufacture of medium-sized and and platinum are all production of the delay in trade unions. The new plane is the production in the control that the production of the delay in trade unions. The new plane is the decision to build an other? It is not the ground in thinks agreed to make the workforce of more than 40,000 and a first production in the more than 10,000 and all the production of the delay in trade unions. The new labour contract, while in production and plane in the more than 10,000 and all the production of the delay in the pro

ALFA ROMEO, Italy's State after almost one year's discus consideration of the delay in

The decision to build another directly concerned, provides an prise Fiat company, or anywhere have been 10 production unit in the south is average monthly increase of 110 near that applicable generally in than in 1976. part of a new labour contract for most workers, together with motor manufacturing elsewhere negotiated finally at the week-end a lump sum payment, mainly in in Europe.

\$244m. committed by NIB| Alitalia

(NIB), established in Helsinki in organisation, building up a diver (NIB), established in Helsinki in Organization, outside the particular of 15 loans sified loan portfolio, defining amounting to 105m. special drawlend operations and introducing ing rights (SDR), equivalent to the bank as a horrower on the S125m. in the period June 1, 1976, international capital markets to the end of 1977.

In addition, it is said in the a coupon of 73 per cent, and a for last year, the first since 1969, heart of the said of the financing commitments totalling ment projects and exports in the \$119m., so that the overall com- common interest of two or more mitments total approximately Nordic countries—has an \$244m. The export projects, authorised capital stock of SDR which involve power plant projects in the Far East and Latin countries have subscribed accord-America, equipment for an oil ing to the respective countries'

stage and the commitments have (\$131.2m.), net interest earnings. The number of not yet been taken up.

Of \$5.8m. and a net profit of carried last year.

During NIB's first operational \$3.7m. which was transferred to from 7.8m. in 1976. period special attention was paid the statutory reserve fund.

sees 1977 THE NORDIC Investment Bank to establishing a functional

bank's first annual report, pre-maturity of 7 years on the Euro said its parent company, Istituto sented to the Nordic Council of bond market.

Ministers, NIB made four export NIB—which finances invest- (IRI).

performance should continue this year. IRI said in a monthly bulletin.

pipe line in Latin America and gross domestic products. As of a construction project in eastern December 31, the accounts figure for the expected profits. Europe, are still in the tender showed a balance of SDR108m. In 1976, the company lost L40bn. IRI did not give a precise figure for the expected profits. The number of passengers carried last year rose to 9m.

Money and Exchanges

Lending Rate 6; per cent. (since January 6, 1978)

defensive, marking up buying the market was only helping to rates for Treasury bills, and refuel its own fears, by contributing maining that way throughout towards a further growth in the

12}			Minimum		sive, mar							This a		South Africa						on the monde	
• -	. Lending	Rate 6	per cent.		for Treas							minos h	MILE CIE	DOUGH BUILDE	n about t	out that it	her not done	Metai	Exchange	nas average	.u
non-	. (since	January (6. 1978)	maini.	ng that	way thr	oughout.	towards	a furth	er grow	th in the	innes L	ecause i	their country's the U.S. dollar		raci wai ii	in believed to	20,210	per conne	in the past.	19
ents.	Trade fig	ures, mo	ney suppl	y. Three	-month bil	lls hovered	d around	money 5	upply,												л .
·	and fears	shout reit	monsition (of the i	rigger boi	int for a	rise in	Sterlin	g also 51	uffered t	under the		s iney	reap the ful	ii de beca	use the mini	ng nouse oce	s me iun	year to la	ist siarch.	_
	the "cors	et" rest	rictions o	ın Bank	of England	d Minimu	m Lend-	cloud of	the irac	le detici	t and the									-	•
-1: 4	banks domi	nated tra	ding in th	ne ing F	tate for s	several d	ays. but	money :	supply i	figures.	but was	·			٠.						
]	London Mor	nev Marke	et last wee	k this w	as more a	a reflection	n of the	stronger	than	the d	ollar on		2410	-							
	Condition	WOTO SE	nervous a	as reinct	ance to	nurchase	hills in	balance.	The	pound's	s trade-	INSU	KANÇ	<u>L</u>			•				
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	interest ra	previous	neen, all	lu ille i	nucertain .	towards	s racuer	land figu	res fell	to 65.9	from 66.2			T A T		•	.		_		
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	rix months	710-759	7 8 7 8	74-74	7:9.6% 773.712	734-814 814	_	1	_ !	7-6	-7.2	To this	extent,	the long-estab	- admit t	be evidence	**	law as	to material	lits-	-
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						L	A		tema laca	Lantharite	- marasa				- SIMOTER	טיי ואב טענ	nt of which	rur mer	comment ?	ai iuss siage i	15 .

Local authorities and fluance houses seven days' notice, others seven days' fixed. "Longer-term local authority are nominally three years 103-103 per cent.: four years 103-104 per cent. five years 103-104 per cent. of Bank bill able are buying rates for prime paper. Buying rates for four-month bank bills sible per cent.: four-month traveler cent. per cent.

Approximate selling rate for one-month Treasury bills 5116-52 per cent.; two-month 51-3232; per cent.; and three-month 523-52-556 per cent. One month trade bills 65-62 per cent.: two-month 63-62 per cent.: and also three-month 63 per cent. One month trade bills 65-62 per cent.: two-month 63-62 per cent.: and also three-month 63 per cent.

Finance Mouse Rase Rates (published by the Finance Houses Association): 7 per cent. from February 1, 1973. Cleater Canal Cheosalt Rates (for small sums at seven days' notice) 3 per cent. Clearing Eank Rates for lending 64 per cent. Treat Bills: Average tender rates of discount 5.9730 per cent.

FUREIGI	1 2	CHANGE			OTHER M	
	Í'		Rates		1000 1004	Notes Bates
Feb. 17	Bank Retes	Day's Spread	Close	Argentine. Australia Brazil Finland	[.702]-1.7198 8[.64-32.64	Argentine 1250- Austria 281- Belgium 51 ₀ - Brazil 55-
New York	6 lo	1_94 18- T.9460	1.9445-1.8455	Greece1	8.854-70.563	
Montreal		2, 1670-2, 1745	2,1750-2,1748	Bong Kong		Denmark., 19.9-1
Amsterdam	41-	4,29-4.55	4.314-4.524	1rso	132-138	France 9.50
Brusselst	612	82,25-64.95	82.55-62.65	Kuwsit	0.537-0.547	Germany 5.85-
Copenhagen	9 7	10,58-11.65		Luxeub'rg	82.55-62.66	Greece 53-
Frankfurt	3 1	3.88-4.025	4.003-4.012	Malaysia	4.67: 4.591	[Ta] 1858-1
Lásbon ,	13	77.90-78.40	78,10-78.50	N. Zesland	1.8879-1.9068	Japan 460-4
Medrid	["8 '	T56.90- 158. 8 0	156.65-158.75			Netherland 425
Milen		1.660-1,666	1,884-1,665	Singspore	4.60-3.52	Norway 10.40
Osle	8	18,43-19,48	10.464-10.474			
Parls		9.35;-9.38 <u>;</u>	5.86(-9.87)	D.S	_	Spain 156-
Steckholm	8	8.974-9.934	9-013-9.022	Canada	-	Switz lend 5.60 5
Tokyo	414	450-475	466-488	C\$1	an ea àn en	U.S 1.95-1
Vienna		28,65-28,90	28.75-29.85 76.664-3.674	n'2' centri	80.40-60.42	IT OF CONTAINS OF
Zurich	119	0,03-2,000	9.000-9.01	T-1	- 4 1	ntina is a free ra
† Rates g	ven a	re for couver 2.50-62.78.	rtible francs.	DAIC SIN	A IN MISC	

EXCHANGE CROSS-RATES

rels. 17	Frankturt	New York	Paris	Participal P	London	Amst'd'm	Zurich
S	48.57-60 263.8141 15.62-67 4.003-013	2.0610-25 4.8165-8286 32.28-33 1.9446-65 2.2212-37 1.883-886	8.69-71 9.361-371	3.115-120 14.259-993 62.56-65 6.8925-75	3.998-4.008 1.9450-9460 9.36/5-3675 62,68-62.84 4.3175-3295 3.6606-73	45.10-60 217.19-69 [4.48-54 4.5] 3-32-5	108,85-106 53,25-36 265,09-59 17,02-11 3,664-674 117,485-535

U.S. 8 in Toronto U.S. 5 = 111.88-92 Canadian cents. \$ in New York = 59.55-35 cents. U.S. 8 in Milan 555.70-858.00 Sterling in Milan 1662.60-1663.50.

EURO-CURRENCY INTEREST RATES Feb. 12 Sterling Dollar U.S. Dollar Guilden

töbort term		63e-73e	658-678 654-7	512-534 512-534	ig-par la.ig	2]-2] 2]-2 ₂				
Month barran		618-714	67g-71a	54-512	1 _B -1 ₄	21a-3				
Three neaths.	72.7	7-76	71,.719	5-53g	1 9-14 .	278-3				
olx months		759-754	75e-77g	5-54	i₹·1.k	318.314				
Опе усы	814-854	78-78	77g-B18_	514-512	158-154	3 ₁₆ - 3 - 6				
coe-month 12-	Earo-French deposit rates: two-day 105-11 per cent.; seven-day 105-11 per cent.; one-month 12-12; per cent.; three-month 12-14 per cent.; six-month 12-13; per									
Coul; one yes	ellaborett	e denocits:	tren' vests	71516-51:6	DET CEUL:	three years				
51ac-83ac DEF	CODY.: foth	vears \$516	-E-716 DET (cent.: five y	POIS \$516-97	16 PET CETIL				
The follow	Sig-Sig per cent.; four years \$3:6-5-6 per cent.; five years \$5:6-5-6 per cent. The following nominal rates were quoted for London dollar critificates of deposit:									
ope-month 8.90	one-month 8.96-7.00 per cont.: three-month 7.13-7.25 per cent.: six-month 7.45-7.35 per									

Feb. 17 Feb. 16 Six-month forward dollar 0.32-0.22c pm 12-month 0.63-0-33c pm.

GOLD MARKET

FORWARD RATES : One month . : Three months New York ps: 0.10 c. dis 0.10 c. pm.-par. Montreat ps: 0.10 c. dis 0.10 c. pm.-par. Amst'damida c. pm-4 c. dis 25g-15g c. pm. fer. for pm. fer. dis 5 c. pm.-5 c. dis 7ranki arri 17g-19g cre dis 15 c. pm.-5 c. dis 7ranki arri 17g-19g f.pm di 47g-31g d. pm. for 50-210 c. dis Madrid. 30-100c. dis 130-210 c. dis Madrid. 30-100c. dis 130-210 c. dis 130-210 c. dis 12g-15g ore dis 12g-15g cre dis 14-15 c. dis 15c. dis 14-15 c. dis 14-15 c. dis 15c. di

CURRENCY RATES

13		Special Drawing Rights	European Unit on Accoun'
na He	· · · · ·	February 17	Felausi]
ent.; per ears ears. osir:	Sterling U.S. dellar Austria sela Belgien franc. Deutschemerk Dutch guilder Franch franc. Italian lira Japanese ren.	18.0474 39.3361 6.91617 2.51514 2.71536 5.88760 1044.75 292.396	0.65806 1.24018 1.38361 18.3297 39.9587 7.03011 2.55442 2.75386 5.97914 1061.11 296.6478
סאל	Spain peeets Swellish krone Swiss franc.	98.2768 6.65588 2.30498	99.5731 5.74325 2 34087
			-

MINING NOTEBOOK

Gold price knocks on the \$180 door

without difficulty the Inter- against the relatively low share national Monetary Fund's monthly prices, especially when the risk national Monetary Fund's monthly sales of 525,000 ounces. Each move forward in the gold price has not have to pay the investment been followed by a period of consolidation which, in chart terms, paints a picture of a soundly major force in South African prices of which would be

of the \$180 price level. Last week U.S. interest is about to increase to watch: the mine started pro-late New York gold price edged against the background of econ-a few cents above this figure but omic worries back home and, he failed to make any further head-way and on Friday it slipped back many U.S. analysts.

Sainty Crofty
Finally, last week's flurry of interest in Saint Piran, which followed the processing of the recommends are Randfontein.

happen in due course, but they the institutional investor and for also know that any improvement the more venturesome Libanon.

cation demand is estimated to have to live with this problem, have been 10 per cent, greater But mine carnings and dividends At the same time, the bullion past setback and risk capital is marker has continued to absorb prepared to weigh this factor prices, especially when the risk capital is overseas-based and does

golds prices of which would be According to the charts even lower if this demand dried followers the market is now up. A Johannesburg broker that no one is rushing to buy facing a testing point in the shape friend, however, reckons that the New Yerk gold never that week U.S. interest is about to increase to watch the mine started never to watch th

was \$179.375. recommends are Randfontein. So this week all eyes will be on Vaul Reefs. Southvaal, Western

on how big a payable tonnage is eventually indicated.

If it is large, it is thought that the Government Mining Engineer would push for a separate lease area to be set un. Otherwise, Johannesburg is still sold on the idea that any new pay ground would form an extension to West Driefontein rather than East Driefontein, although the latter seems geographically the more logic recipient in London's thinking.

lowed a Press recommendation, left shares of the group's 65 per cent-owned South Crofty tin mining subsidiary little moved at per la Ricostruzione Industriale (IRI).

Il external factors such as strikes do not intervene, the improvement in the company's performance should continue this performance should continue this performance should continue this performance should continue this performance but the price to see if it can break Areas and, for income, Western the price to see if it can break Areas and, for income, Western Geduld.

Il external factors such as strikes do not intervene, the chartists, would open the door London recommendations are: the Cornish tin producer's shares, observers feel that this will be recalled, were offered by Saint Piran at 50p to an eager that the price to see if it can break Areas and, for income, Western Geduld.

If external factors such as strikes do not intervene, the chartists, would open the door London recommendations are: the Cornish tin producer's shares, observers feel that this will be recalled. Were offered by Saint Piran at 50p to an eager by the institutional investor and for the cornish tin producer's shares. by Saint Piran at 50p to an eager public last October.

also know that any improvement in confidence in the dollar could cause a temporary sharp setback in gold. However, the dollar came under pressure on Friday to the extent that European central bank support was triggered off.

Cheap for some

While the rise in the gold price over the past few months has been almost entirely in terms of the stronger currencies such as put down no less than 10

The offer was 45 times oversubscribed and South Crofty shares subscribed and South Crofty shares are subscribed and South Subscribed and South Crofty shares are subscribed and South

weak U.S. dollars. In terms of that Gold Fields of South Africa brings the total for the past 10 the stronger currencies such as has put down no less than 10 months to 1,839 tonnes compared sterling the price has risen much boreholes in the area between with 1,796 tonnes in the same less and, indeed, hardly at all the case of Swiss francs.

Usually the group is meticulous the price of tin on the London price of the country's about publishing drilling results Metal Exchange has averaged mines because their country's and the fact that it has not done £6.276 per tonne in the past 10 currency is tied to the U.S. dollar so on this occasion is believed to monthst compared with £4.885 in and thus they reap the full be because the mining house does the full year to last March.

Rehabilitation of Offenders Act is satisfied in the light of any that justice required the evidence 1974, which wipes clean the convicted person's record. After to be relevant. that justice accepted. Policyholder and into the appropriate passage of time, cannot be done in that case extended the Act entitles him or her to assert a past as unblemished as relating to a person's spent convoiding to the parties views and the law as to materiality. Last week the effect of this materiality has been blunted; for example the motorist convicted sidered by the Court of Appeal further comment at this stage is in the case of Reynolds r Phoenix precluded, but all insurers must 1973 does not have to inform Assurance and others, a dispute watch its outcome with consider-

of drunken driving in February in the case of Reynolds r Phoenix precluded, but all insurers must 1973 does not have to inform Assurance and others, a dispute watch its outcome with consider-his newly-chosen insurers in over a fire claim made in 1973 able interest and hope perhaps represented the policy effected in August even that some clue may be prohave different rehabilitation 1972. It appears that the plain-vided as to how the provisions periods and all are set out in the tiff had been convicted and fined for a criminal offence in 1961, invoked, in respect of convictions which had not been disclosed to sustained, but not disclosed in the most part, simple, in operation the insurers and which had been contracts made since 1975.

SHIPPING

U.S. weather raises rates

BY OUR SHIPPING CORRESPONDENT

cargo seven days earlier.

Brokers, however, are not optimistic that the higher rates will hold. Galbraith Wrightson notes that Stateside stocks are still high and that in any case a good proportion of the voyages fixed were for discharge in the U.S. Gulf rather than the blizzard-hit North East Coast. In the Persian Gulf, rates

have not changed from last week's WS21 for VLCCs and WS17.5 for a ULCC. With 12 vessels of about 3.4m. tons waiting for cargoes in the area and another ten of 2.4m. tons due to arrive, broker E. A. Gibson says there is not much prospect

Galbraith Wrightson puts the likely vessel availability in the Gulf at the turn of the month at 35 ships, each over 150,000 There has, however, been

some activity out of Indonesia, mainly for the U.S. West Coasts. attracting WS42.

Rates on this trade hardened slightly with an 80,000-tonner Period chartering rates con-

unue to be dull and the BP inquiry for a one- to three-year

BAD WEATHER in the U.S., possibly aided by growing effectiveness of the coalminers' strike, had the predicted effect of strengthening oil tanker charter rates out of the Caribbean last week.

A 37,000 dwt vessel was able to obtain World-scale 110—which is 20 points better than the rate a week earlier—and a 67,000 ton unit received WS75, against WS44; rate for a 66,000 ton part cargo seven days earlier.

Charter on an 80,000-150.000-ton the conference's rejection of vessel in this column a U.S. proposal for compulsory segregated ballasts in tankers as trengthening oil tanker charter rate adeal. Significant cut in oil tanker capative deal. One timecharter concluded city. But brokers do feel that was by Pertamina, which fixed the requirements for new tank as 131,000 dwt vessel for 12/36 washing systems will accelerate months at a reported rate of the rate at which older tankers 80 U.S. cents per ion deadweight, are scrapped.

LOCAL AUTHORITY BOND TABLE

FOORL WALLED		DUIL	, ,,,,	
Authority (lelephone number in parëntheses)	Annual gross interest	Interest payable	Minimum sum	Life of bond
parenticaes)	%		£	Year
Barnsley Metro. (0226 203232)	9	}-year	250	4-7
Poole (02013 5151)	91	i-year	500	4
Poole (02013 5151)	91	}-year	500	5-7
Reading (0734 592337)	10	½-year	1,000	5-7
Redbridge (01-478 3020)		<u>∦-усаг</u>	200	3-7
Southend (0702 49451)	9	}-year	250	3
Thurrock (0375 5122)	91	₫-year	300	4
Thurrock (0375 5122)	10	}-year	300	5-7
Wrekin (0952 505051)		‡-year	500	2
Wrekin (0952 505051)	10	yearly	1,000	4

FINANCE FOR INDUSTRY TERM DEPOSITS Deposits of £1,000-£25,000 accepted for fixed terms of 3-10 years. Interest paid gross, half-yearly. Rates for deposits received not later than 32.78.

Terms (years) 3 4 5 6 7 8 9 10 Interest % 91 91 101, 101 101 11 111 111 Rates for larger amounts on request. Deposits to and further information from The Chief Cashier, Finance for Industry Limited, 91 Waterloo Road, London SE1 8XP (01-928 7822, Ext. 177). Cheques payable to "Bank of England, a/c FFI." FFI is the holding company for ICFC and FCI.

Consumers feel more cautious about future

BY ELINOR GOODMAN, CONSUMER AFFAIRS CORRESPONDENT

dent feelings shown in January, month with pessimists outweigh-consumers were feeling less ing optimists by 4 per cent. optimistic at the beginning of The six-month moving average this month. But people are teel-figures remained at about last ing more secure than a year month's level. On this longer ago, and the long-term trend is term basis, there is a balance still improving.

In January, two of the main to improve.

In January, two of the main to improve.

The most commonly cited month they have slipped back cause of optimism was the slightly and worries about unem
Stallistic interpretation of events that there must improve. This

cial position.

figures which, as this month's pects over the next year, widely

I ast month's improvement was of concurn, although an increasmost noticeable in the Past Prosnerity Index which tries to establish whether neoble feel better
or worse off than a year ago.

January was only the second

January was only the second tinued to fall.

month in seven years in which

Inflation

Just over one-third of the sample said they were less affluent than a year ago and 27 per cent. said the were better off. This gave a balance of 8 per cent, who felt their incomes had not kept pace with inflation.

Among the professional men interviewed, the balance of those

interviewed, the balance of those feeling worse off was slightly asks each month is whether smaller at 3 per cent, but this people think it is a good time to

were feeling worst off.

The six-month moving average to the trend in inflation, as one figures for Past Prosperity are of the main reasons for saying it still improving, however, as good time to buy consumer people were feeling much more badly hit by inflation seven months ago.

This month, the Time to Buy Indian feel back to cheek a position.

worse, giving a balance of 7 per month moving average basis, cent, who thought things would The survey was carried out by

A SLIGHTLY more cautious view people interviewed. Professional of the future is reflected in the men remain more confident than latest survey of consumer confi. other categories, with optimists dence carried out for the Financial Times.

After the exceptionally confident for the exceptionally confident categories, with optimists
outnumbering pessimists by 21
per cent. Working class women
were most pessimistic again this

of 16 per cent, expecting things

pinement have increased.

The survey is designed to find was followed closely by North out how people feel about the Sea oil while the Government future and their present finances mentioned more often last most increase.

month. Movements in the indices usually take three to four months to be reflected in buying patterns. The six-month moving average figures used in the table are a better guide to long-term trends than the monthly were going to help improve pros-

runes show, can fluctuate Among pessimists, rising prices continued to be the main source last month's improvement was of concern, although an increas-

The number of people expect the number of neonle feeling ing employment to increase also hetter off outpumbered those rose this month. Almost a feeling worse off This month, quarter more of the respondents those feeling worse off were thought unemployment would again in the majority.

would get better. This was an increase of 11 per

was still a deterioration on buy major things for the house.

January.

Throughout the early part of

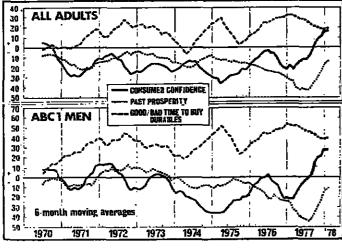
Of all the categories, women last year, this index was standing from working class backgrounds at a very high level. It tends to were feeling worst off.

months ago.

The Future Confidence Index also reached a new height last month. This month it has fallen back sharply though it is still well above last February's level.

Asked whether they expected conditions to get worse or better over the next year. 29 per cent. on a monthly basis aid better and 22 per cent. and by 46 per cent. on the sixworse, giving a balance of 7 per month moving average basis.

improve. This is slightly lower the British Market Research than the December figure. Bureau. A total of 1.026 adults This gloomy view of the future were interviewed between Fcb-



Price Commission seeks industrialist

vacancy on the Price Commission are implemented.
created by the impending departure of one of three deputy announced last summer, gave the chairmen, Dr. Gordon Hobday. Commission a fair balance of Dr. Hobday, the chairman of industrialists, unionists and control of the chairman of industrialists.

THE DEPARTMENT of Prices Given the discretionary nature has approached tentatively of the Commission's powers, its several industrialists to see if make-up is regarded by industry they would be prepared to fill the as crucial to the way the controls

Bools, has told the department sumers, with the chairman, Mr. that he wants to leave the Com-Charles Williams, coming from mission because the job—banking. The two other deputy theoretically a part-time appoint-chairmen are Mr. John Hughes, ment—is too time-consuming to from Ruskin College, Oxford. fit in with his other commit- and Mr. S. Sweetman, from ments.

Luxury Coach Body Builders

A Year of Progress

Results for the perio	d ended 2nd Oct	ober 1977
	1977	1976
	(57 weeks) £000's	(52 weeks) £000's
Turnover	17.368	12,533
Profit before tax	1,637	933
Profit after tax	769	449
Farnings per share	26.0p	15.2թ
Dividends per share	7.8n	6 ān

- Turnover increased by 26% with pre-tax profits
- up 60%, on an annualised basis. Exports up from £470,509 to £1,040,209.

in all divisions.

Capitalisation issue creates trustee status. Current year started with a full supply of work

PLAXTONS (SCARBOROUGH) LIMITED

Castle Works, Seamer Road, Scarborough 7012 4DQ.

TREND OF INDUSTRIAL PROFITS

Rise of 43% in earnings on tax charge stability

THE TREND of industrial profit figures below is based on accounting periods ending in late spring and early summer. so the sample of 223 companies is small and the figures should be interpreted with caution.

Given that provision, one of the more striking features is the way that the stability of the tax charge boosted earnings. While pre-tax profits rose 22 per cent. the tax charge only rose per cent. Consequently, earnings made a 43 per cent. leap.

At its extreme, this trend was exemplified by the contracting and construction sector where a fall in pre-tax profits was translated into a rise in earnings by the dramatic drop in taxation.

reliable were clothing and footwear and engineering. The ciothing and footwear sector performed particularly strongly, having a 36 per cent. jump in trading profits which came through, after only a small increase in tax, to a doubling of carnings. Engineering, however, generated a gain at the trading level of only 2 per cent, and the earnings improvement was of

the same order. The cash flow for all the industrial companies showed a substantial improvement of 34 per cent. and this was reflected in a 21 per cent. rise in net current assets. But net capital employed rose more sedately at 14 per cent.

TREND OF INDUSTRIAL PROFITS ANALYSIS OF 223 COMPANIES

The Financial Times gives below the table of company profits and balance-sheet analysis. This covers the results (with the preceding year's comparison in brackets; of 223 companies whose account year ended in the period between April 15, 1977, and July 14, 1977, which published their reports up to the end of January, 1978. (Figures in £000.)

Ī			Trading F	rofits.	Profits betore Int	Pre-Tat	Tax	Farnel Ordina	r.	Ord. Do	iden is	Cash Flore	Net Capital Employed	Ver Re-	Net Current sects
-]	INDUSTRY	You of	r ite) g	A Tas	Profile	.4,	Divide	ाक्षश्रद्धक ह्	ρ£.	i Ş cintege	យ៍	, iŝi	¹ 89 	(10) ·
s	BUILDING MATERIALS	4	32.345 25.542	+ 26.6	23,463	20,202 (14,126,	7.014 -8,689h	12.962	+ 142.0	8.497 (6.555)	35.7	12.695 /7.148)	105.228	22.3 18.4)	27.198 (25.033)
;- e	CONTRACTING A	17	31,473 (34,871)	-9.7	24.668 /28.714	18.097	6.705	12.674	~25.4	4.266	- 7.8	13,524	150.388 135.441	16.4	73,561 (78,629)
ì	electricals	7	B,054	-23.4	6.657	6.104	2,827 2,424,	3,277	- 39.0	1.542	± 16.B	2.634	24.231	27.4	12,481 (8,859)
'	ENGINEERING	21	45.542		36.765	52.201	15,625	14.884	- 1.6	4,583	- 13.6	15.310	187,527	19.6 (17.1)	83,958
	MACHINE TOOLS		694	-2.3 -21.8		412	14.529) 213	199	+ 13.1	(4.033) 52	- 10.6	249	1,158	44.3	1,346
s d	MISC, CAPITAL		1570i 31.476	; ;	(412) 25.987	20,172	5.155	14.338	- 150.7	4.135	- 29.8	14,813	160.991	16.1	69,947
	GOODS		(23,959)		(18.525)	97,188	37.539	58,334	+50.0	23,076	-22.1	7.649 ₁ 60.231	629.573	18.8	268,491
Ţ	GOODS		135.998	-30.1	9.244	7,469	.45,190: 2,323	5.091	- 146.5	/15.8981 1.402	- 14.3	11.496	(579,524)	18.1)	(256,814)
d 2	RADIO & TV		(13,466)		15.921;	(4.285)	2.184	(2,065)	. —	1.227)	-5.2	(7.99C) 5.898	62,235	15.2	(2,745)
e	HOUSEHOLD GOODS	10	13.090	-5.5 	9.487 (10.330)	8.045 9.288	3.576 (4.832)	4.418 (4.364)	-1.2	1.237 :1.305	<u>: </u>	15,7741	(52,857)	(19.5)	(21,983)
	COMPONENTS		(S.184)	- 37.4	8.676 (6.136)	6,775 (5.198)	3,481 2,718	3.219 (2,458)	- 32.0	1,036	- 111.4 	4,491	(33,196)	19.6	17,032 (9,516)
,	MOTOR DISTRIBUTORS		· (-)	j – j	~ l~r	<u>-</u>	: -1	<u>-</u> ,		 '	_	<u>-</u> (-)	((=,	()
	COTAL CONSUMER OURABLES	18	41.850 (35,495)	+ 17.9	27.407 (22.387)	22,239 :18.771	9.380 19.7341	12,728 (8.857)	+43.5	3.675 /3.020/	-21.6	21.885 ,17,336,	147.420 1121,228	18.6	47,504 (34,242)
f	BRPA EK! 82	3	56.637 (50.715)	+11.7	47.588 (42.051)	42,395 (36,125)	21,420 (18,925)	20.389	- 22.4	9.303 :8.420;	- 10.5	19.453 (16.266)	309,585 (289,156)	15.4 (14.5)	30,924 (27,854)
اة	OISTILLERIES & WINES	2	3.293 (2,749)	+ 19.8	2.706	2.364 (1.955,	1.082	1.011	-48.0	311 (279)	·- 11.5	1.057	13,829 (11,016)	19.6	5,855. (5,304)
ا	SOTELS & CATERERS	2	2.272	+ 24.7	1.901	1,358	634 (472)	719	-46.2	188	-11.2	75? (532)	9,012 (9,168)	21.1	-1,685 (-2,401)
r	CEISURE	7		-22. 4	92,709	77,063	37.215 -54.711)	35.538	- 25.6	10.693	-46.3	44.381	332.146	27.9 (31.0)	84.508
,	700D	7	54.781	- 15.3	29.421	25.083	11.931	12,887	+35.2	4.056	+ 19.9	13,526	150,517 (148,305)	19.5 (17.0)	71,995 (65,811)
-	MANUFACTURING	8	59.394	+48.1	48.983	45,607	13,120	27.424	- 1G4.2	·3,564; 5.177	-20.1	31,570	157,563	31.1	12,506
-	Newspapers and		4.844	+ 29.1	31.819; 3.182	2,982	1,177	1.787	+90.7	(4.312) 647	- 12.7	2.258	14,085	123.7ı 22.6	(7,322) 3,581
5 -	PUBLISHERS		6,425	- 34.3	5.287	-2,048, 	2,750	2,484	-41.5	443	 _ 13.3	1,57£) 2,905	12.421	42.6	8,409
6	PAPER	10	14,433	+ 23.5	13.815	(3.76C) 10.491	4.834	1.755	+ 63.0	2,051	- 28.5	2.154, 5.615	(9,848) 49,288	(38.7) . 23.3	
	товъз		(11.686)		·B.868·	(8,067)	4,597	·3.460·		1.596	'	(5.702)	:42,5091	(20.8)	120,645)
۲Į.	FOOTWEAK	19	21.327 15.619	- 36.5 	17.632 -12.192	14.975	6.519	2.954 4.394 	- 103.8 	1.857 11.433	- 29.6 	9.291 (4,906)	73.101 58.278	24.1	
5 .	rexpiles	7	11.260	- 15.7 	9.646 17.772	8.470 6.896	3.650 3.697	4.744 -3.163	- 50.0	1.101	- 12.7	5.297 -3,652	35.744 (30.560)	27.0 [[] 125.4)	19,050 (15.021)
	юрассь	_		<u>-</u>		<u>.</u>	<u>,</u>	· ·-ı	_			1	·—-	<u>,_,</u>	<u></u> ,
	FOYS AND GAMES .	1	4.791 (3.397)	+41.0	3.963 -2.790;	5.508 2.431	265 11.193	5.230 (1.243)	- 150.0	443 312	- 42.0	3.265 (1.226)	17,637 (11,535)	22.4 (24.0)	6.451 :4.174)
	ROMUCHOU LATOR	72	354.775 (268.710)	- 24.6	274,197 216,429	239,550 ·188,444	109.597	124,807 64,041	-48.5	36.270 29.131	- 24.5	139.554 196.592	1.174.783	23.4 (21.6)	304.289 (234.328)
1	HEMICALS	4	112,448	- 17.4	100,004	91.713	45.128 -38.954	45.090	- 23.4	9.133	-11.1	17.511	370.910 (311.185)	27.0 (27.2)	204,680
-	FFICE EQLIPSIES!	1	7.626	-42.7	6.819 4.702	6.520	5.599 (2.312)	3.053 1,910	- 6C.O	620	- 14.9	2.920	15,421	50.8	9.770
-	SHIPPING	1		 _56.2	476 1.610	-564	199	564	<u> </u>	175	- 12.2	280	28.542	1.7	3.556
;	HSG INDUSTRIAL	13	46.611	- 30.7	35.242	25.436	12,449	11,782	- 57.5	3.559	-9.4	1,541)	144,544	24.4	49.419
1		166		- 19.9	25.592 562.498	17.866 482.132	19.5631 217.492	17.490 255.232	- 42.9	76.466			2.508,990	22.4	(54,839) 885,597
.	IN DUSTRIALS	1 ;		- 206.5	216	110	(208.357)	:178.664: 110		.63.186)		125	4.004	5.4 (447
1	GANKS		·91,		-50-	- 70	1- 1 	70		<u>1</u>	-	(- 62)	(502,6)	(1.7)	(460)
١.	MSCOUNT HOUSES.	4	20.861	+44.1			· _ · · · ·	8.934	- 51.5	4.253	-37.5		B35,777*	· -	21.003
	HERCHANT BANKSAR.		123.170		112,070	12,200	6,300	3,700	- 169.8	.3.099.	· \	15.900	111,230	. (-,	(16,096)
	 -	<u>.</u>	·119.000·	-3.3	·106.700·	í4.1001	5,60C	(5,300)	- 103.5		: <u> </u>	(6.100)	111,230	' -	164,200 (208,763)
	NSURAN(b		,		1,	1-1	-,			·-ı	·	;		; 1 : 11	<u>, </u>
	Naurance brokens	_	(-)		<u>'</u>	1-1	· · ·	 ' -1	 	·	<u> </u>	·-,	 (<u></u> ,	_ —
2 5	NVESTMENT TRUSTS		28.796 24.727	+ 16.5 	28.412	24.120 (20.486)	6.321 (7.904)	15.166 ·12.088:	- 25.5	12.720 (10.855	- 17.2	2.446 :1,268:	502,470 (473,451)	5.4 (5.2)	5,750 (55,650)
5	PROPERTY	11	17.917 (15.335)	+ 16.8	17.004 14.449	7,782 15.9011	3,448 -2,5381	4.237	± 33.6 ———	2.704 -1.970-	- 37.3	1,537 (1,581)	200,796 (221,296)	8.5 (6.£;	-5,990 (-64)
ا.	AISC, FINANCIAL	8	11.512 (15.663)	26.5	9.774 (9.926)	6.316 -4.556:	2·770 :2.657;	3.284 (1.646)	- 99.5	2.208 (1.821)	+21.5	1.897 (621)	140,586 (123,045)	7.0 (8.1)	13,642 (12,093)
١.	UTAL FINANCIAL	54	302.256 :189.202	- 6.9	167.260 :155.525;	50.418 (35.043)	20.759 -19.679	35.581 17.501;	r i01.9	21.887 17.744	- 2a.a	14,750 (9.570)	1975,008 (1939,192	17.2 (16.6)	, 198.365 (291,475)
: [il eberş	- (·—ı	_			1 1		_	·=:	_	<u>-</u> , !	, <u> </u>	, <u> </u>	()
	EA		<i>i</i> —	<u>-</u>	,			-		-=,			- ,	·)	
; ī	18	-	·1		1- 1	 i - i		. ,					<u> </u>	(-)	
ili	HISCELLANEOUS MINING	- ;	-		(-)	,	. <u>.</u>				-:	——————————————————————————————————————	(<u>-</u>)		
•	WERSEAS TRADERS	2	63.118 (53.414)	- 18.2	50.358 42.912	52.871 :27,631	13,977	15,749 :10,014,	+ 57.3	5.326 -3.926	- 35.7	21.621	414.461	12.2	134,879 (109,893)
11-	OT AT.	_	63.118					16 546	. 67 2	5316	. 35 7		414.451	10.0	

NOTES ON COMPILATION OF THE TABLE

The classification follows closely that information required under the Complex index adjustments relating to previous of the busilistic and Faculty of Actuaries, panies Act. 1948.

we will be been adopted by the Stock Coll 2 sixes profits before interest and coulty official List.

Coll 2 sixes profits before interest and coulty capital after meeting— Col 2 gives proble before interest and aximion that is to say profits after all Exchange Daily official List

Col. I gives trading profits plus investinated other normal means and other normal means and other normal means. The dature is struck before charging the immedial year covered depreciation, loan and other interest, described in the interest of the immedial year covered of the immedial years of the immedial years and other thems, the immediate of the immediate of

63.118

+ 18.2 50.358 42.912

non-returning items such as, for example, say promy after all charges luchating capital forms unless the latter arise in debening and loan interest but before the ordinary transaction of business.

N.B.—Certain companies, including interests.

N.B.—Certain companies, including houses in-create and shipping companies are including Ponunton Colonial and Foreign carried its equity dispersions the full dishert and future tax provisions but need method of computing this beging

equity capital after meclina-1—Misority interests. 2—All prior charges—sinkly

Col. 8 constitutes the total net capital employed. This is the total of net fixed assets—excluding intensables such as special except the current assets less current liabilities, except bank overdrafts. mosts, etc. and Preference dividends houses a more realistic figure to and Provisions for staff and employees pensions funds where this is a standard annual charge aboutst net

21.621 (15.226)

" Excluding merchant louses, insurances, etc. i No Haures giveb.

Bush Hill

101AL COMMODITIES

Wool trade 'losing men' car park

The first commuters car park to leaving to become postmen and which was vital to the economy of the industry and to maintain he opened jointly by the Greater dustbin men, a trade union of the industry and to maintain London Council and British Rail dustbin men, a trade union production. starts operating to-day at Bush leader claimed yesterday.

Hill Park station. Enfield. It will Mr. Fred Towers, secretary of had left in the past year and a station at Marsham, near Norbe open for car park season the Yorkshire Society of Textile high rate of retirement and lack wich, closes. Production is to be ricker holders only and has space. Craftsmen, said in his annual of job security had contributed concentrated on three other for 50 cars.

Stations in East Angha.

SKILLED workers in the York of skilled men because of the shire wool textile industry are inadequate pay for shift working

Egg packing plant to close

FORTY workers will lose their jobs in April when the Thames' Valley Ecg Company's packing Seventy three skilled craftsmen station at Marsham, near Nor-

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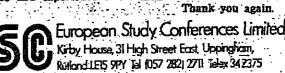
THANK YOU TO ALL OUR SPEAKERS AND FRIENDS

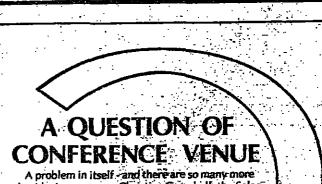
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REWARD INSTITUTE OF PERSONNEL MANAGEMENT INSTITUTE OF QUALITY ASSURANCE SOCIETY OF OCCUPATIONAL MEDICINE (UK AND NETHERLANDS)

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Mr. R. F. Edward Collins

VANCIAL TIMES REPORT

Monday February 20 1978

CONFERENCE CENTRES

Both internationally and domestically the conference market has shown remarkable vitality against a faltering economic background. Now the industry is thinking in terms of a renewed boom in convention business.

sing

3 little doubt that a years ago the interonference and exhisiness stood a little There had been a ilding as a result of s optimism and com- from engineering to medicine, spread have a driving need for as growing. At the social services to oil explora frequent gatherings. the world economy ne wobble. The lead inference planning is many in the business of 1974-76 would Aithough electronic and printed moment ("There is plenty of n to show in the information is supplied in business to be had. The more f 1977-78. In fact the abundance, this is not sufficient complicated the world becomes on has proved worse fact. Convention and traffic has kept up well in spite of the platform, but the total Towns) it is not necessarily atmosphere of the event and being churlish to ask if there air seat price war which has hard hit. Until now perhaps tion business has a powerful the stimulation that is presided. usiness community is the stimulation that is provided are any concerns for the future. been so much a feature of the many Americans had not real-lobby voice which wants to put

five years with a large amount treated as a special reward for of trading down for such occa- many of the delegates. This is sions as annual dinners and particularly the case of corpowedding receptions. Thus, rate conventions, with inter-although the conference busi-national companies placing a ness itself has held up very strong emphasis on social reasonably well, there is events which attempt to create many a banqueting/conference a global "family" atmosphere manager who would prefer among employees who are normoverall business to be a little ally separated by considerable brisker. The buoyancy of the distances and often consider-conference market itself is not able cultural differences. difficult to analyse, with hind- But the need for personal sight. The need for communica- contact is not confined to the

tion, senior executives and particularly those involved in prob-lem solving and innovation Optimism have an increasing need for a With the optimism that cross fertilisation of ideas, abounds in the industry at the information is supplied in business to be had. to make personal exchanges of the greater the need for people views and ideas redundant. The to communicate," says Mr. Stan importance of a conference is Fewster, director of the British

estic conference busi- less, that conferences and incen- doubts.

tion at a personal level is still international market. Domestic-the driving factor. In most ally, too organisations and com-industries and other activities, panies whose operations are

e can be said of the No one would doubt, nonethe perhaps only small niggling supply on the longer haul routes destination. th seems to be as tive travel are increasingly The first, naturally enough, will rise again somewhat faster been as severe as was feared us for some time. Other counas ever. However, overlapping—much to the irrita- revolves around the continued than the average inflation rate (but ssh! in our eagerness to tries might follow suit, ally the picture is tion of some tax authorities, world recession. With the U.S. of the nations they serve. At get the rules changed we are though such uniformity would mewhat by the over- notably the Americans. Confer- still not back to its eager-beaver the moment the zir content of not supposed to admit that). en conferences and ences are frequently staged in attitudes of the sixtics, and the some foreign convention pack. The rule does have its lighter exchange views. There is no questance are exotic. (Birmingham and London stronger western economies ages is not necessarily a deterside. Apparently the American Most people seem to agree banqueting, particulare exotic if you live in Los apparently unwilling to take a rent, but the conference business taxman has declined to define that the negative influences

> of recovery which would indeed from the airlines in three or ference for which tax deduc- positive ones and in the foreprovide boom conditions in the four years' time. conference business is still some Another continuing concern delegate must attend, and prove is likely to be the order of the years away. However, conven is the attitude of tax authori- attendance, for a certain num- day. Certainly as the conference

This Report was written by Arthur Sandles

Naturally enough there are, but market. Once demand soaks up ised that Canada was a foreign as many obstacles as it can in

then it is likely that air fares Elsewhere the impact has not suggests that they may be with

ocial gatherings, has Angeles) locations partly be major plunge into reflation, ness may have to learn to live what he is going to accept as over the conference business adly during the past cause attendance at them will be there is concern that the sort with somewhat tougher demands proof of attendance at the con- are currently outweighed by the tions are being claimed. Each sceable future growth in traffic ber of hours each day. I am husiness itself increases in assured that some Americans sophistication, and conference are seeking, and being supplied centres offer more complete

speaking American healthy at the moment, and that ket would appear to be set for

the way of foreign competition probably need a conference to

with, timed photographs of packages, then the attractivebusiness sessions with their own ness of conferences themselves tion traffic has been such re- ties, with rumours flowing about hard working faces displayed increases. It is unlikely that

10 good reasons to hold your conference abroad.

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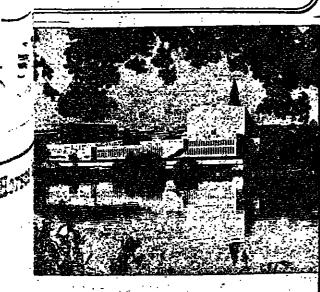
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cently as to suggest that even other countries possibly follow- well to the fore. without full economic revival ing the example of the Amerithere will still be enough work cans in taking a fough line torules being relayed, the fact whatever the advances in techwards conference spending that the dollar is anything Perhaps more immediately Broadly worrying, particularly to those business people are allowed two the American domestic conven- continued development. in the large scale long haul conference market, is the question only claim tax deductions on

of air fares. After those years tourist class air travel; and of recession, during which must limit their deductions to the expenditure allowed by period the airlines of the world have built up considerable Washington for its own emsurplus capacity, air fares are ployees when they are travelling currently extremely low by the abroad. Since the last allowstandards of a decade ago, ance in London was \$49 a day
When airlines talk of a round in London (and less than \$30) trip fare of less than £200 to a day outside the capital) at Los Angeles from London this the last count, and this sum has may be good news to the hotels it is hardly surprising traveller, but it indicates an attitude close to sell-at-any-price that American Government groups only seem to come for on the part of the supplier. fleeting visits.

Recently there have been The impact on some destinasigns of a wide revival in the tions of this rule. introduced air travel market. Already in a little over a year ago. has Britain, for example, it is sug- been dramatic. The Canadians, gested that this summer will who had sought special treatsee the end of the short-haul ment, have been particularly

Battle of the cities

quite another to fill it. If there Convention centres may bring over the years. considerable benefits to a com-

the Atlanta Widgits League. and thus to organise bigge

The cities themselves are no is one thing that follows all the alone in their fight for traffic publicity material about "why in this they have allies in the Bloggsville needs a convention hotel groups, airlines, ground as sure as night follows transportation interest and, of day, it is a mountain of adver- course, the convention centres ising literature urging organis- themselves. In all those fields ations to make their bookings, life has grown more aggressive

Time was when convention munity, but they can also bring centres were thin on the ground, problems, not the least of them Largely an American idea the administrative and financial. notion spread over the years. The rush to build convention However, it was the develop worldwide has led to ment of mass air travel, and fierce rivalry between towns, notably the introduction of the The battle has no respect for Boeing 707 jet in the late fifboundaries. London, Paris and ties, which revolutionised the Hong Kong will all be in there business. Suddenly it became fighting for the next meeting of possible to cast the net wider, The greatest attraction, of conferences in more distant course, is the amount of money places. It was therefore in the that conference delegates spend sixtles that the major modern and the fact that they are likely meeting places started to come to spend it at otherwise quiet on stream, a rapid expansion in times of the year. Although it capacity which continued into is true that this is the time the seventies and might now when they are quoted the have slowed but still proceeds lowest room rates, it is also the Rotterdam. Hong Kong, Manila case that conferences are rarely and Torremolinos all jumped staged at a time when the on what promised to be a luc delegates would otherwise be on rative bandwagon. The huge holiday with their families. An McCormick exhibition and conaverage conference delegate vention centre went up in spends much more than a Chicago and the National Exhitourist from the same country, bition Centre was planned for

destination in the world, carns The growth of supply CONTINUED ON PAGE III

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There are plenty of good reasons for staging your read conference in regult could even be said to be a good



The Convention Bureau, Tourism Department, Weighbrudge, St. Heber,



Britain's changing scene

ALTHOUGH central London is proud and delighted with its in Birmingham provided a further 100,000 square feet. were provided by Letheby and The Adelines provided an in still without its modern purpose- new centre but it has raised million square feet of excellent. I understand that the GLC Christopher, the Wembley Com- dication of the sort of work built exhibition/convention some eyebrows with its in-exhibition space, and effectively has reacted favourably that this plex caterers."

which any city has to do these Wembley and Brighton are now and move into profit by 1983-84. "Until then (1976) Earls sort of GLC involvement in it is London. Whatever money visit was originally negotiated firmly established, as is the The NEC is having to work Court and Clympia, which Earls Court is not now far away, is spent by rival destinations it five years ago and involved National Exhibition Centre at hard for its business, but it is hetween them provide about Whether it will be anything is difficult to match the facility repeated journeys to the U.S. it has been floor area as Birming like £10m. however, remains to ties of London's cultural and finalise arrangements. How had been Private be seen. developments will be coming which deserves success. into fruition soon and, doubt- In this specialised field of sites; but within a year, five The Council must be encour- capital has carved itself such shorter lead time than this law. less to the delight of those who large exhibition centres the of London's biggest shows, in aged by the optimistic words a sizeable place in the internafeel that the South has had a NEC's main domestic rival is, cluding the Motor Show and which are coming out of tional market.

two-three years is not unisma the coming out of the great demonstration of a 2,000-plus internations. past, much of the expansion is ally Earls Court. The capital NEC—which also started to the £14m, project which it was tions of this popularity came meeting.

coming from the north seems to have backed off from take other events from at one time popular to label as late last year with one of Whether the Barbling control in any thought of attempting com-Although the Barbican centre in any thought of attempting comBrighton, Blackpool, Harrogate North London's White Elephant. Britain's more interesting invathe like again is doubtful. The
London (with a capacity of petition with the NEC in the
and elsewhere. The loss to Now Wembley says that its first sions — the several thousand year we have to make do with
2,000) and that at Bognor Regis form of new building. One
Greater London of events of year's figures are better than Sweet Adeline barmony singers, the International Gas Turbing (550) will soon be in operation, recent estimate of such an this nature is serious, and has had been projected for the third It has been estimated that conference in April, followed by it is projects such as Summer exercise put the cost of build- underlined the problems of year of operation. It is projects such as Summer exercise put the cost of the projects and pro

essential fields as catering and voiced its alarm in no unthat another \$5m. should be facilities had not been avail-toilet arrangements have proved certain tones: "The opening of spent in extending the Earls able. An estimated 700,000 cups an embarrassment at times. It the National Exhibition Centre Court exhibition area by a of coffee and 750,000 may have come as something of culture shock to see union conferences, traditionally staged chandeliers surrounded by fading paintwork, held instead in airconditioned carpet-clad comfort. but the adjustment is rapidly

Incentives

The new city conference entres have been added to a large stock of modern convention and exhibition facilities which sprung up in hotels asa result of the hotel building ncentives scheme of a few cears ago. Much has been said about the bedroom capacity that this scheme provided, but an extremely useful spin-off has been the provision of a coniderable amount of small- to medium-sized conference space both in London and in provincial centres,

The total meetings business in Britein will probably be worth more than £300m, this year, although precise figures are difficult to find in this highly fragmented business. some towns the market is of considerable consequence to both the local business community and the ratepayers. Brighton may have seen nearly 19m, on its new conference centre, but that is less than the onnual spend of conference delegates in the seaside town This year Brighton anyway. reckons that spending will jump to £15m, or more. The average pend of a delegate in the lown during a three and a half lay stay is £90, which puts him in a much more attractive eague than the normal run of iay tripper.

Of course investment in centres is not without ancillary Birmingham may be

centre (but better news of that creased rates and has been challenged London's long stand- campaign, of which the LCB Even Wembley has discovered days in order to get business of later) several projects have been watching staffing levels in order ing leadership in trade shows remarks were but part, and that one of the great attractions that one of the great attractions that the announcement of some of London is the very fact that

gate (2,000) which will be pro- and £200m, and acknowledged

desperately needed. Many old Greater London Council invest-

ham, had been Britain's prime be seen.

attraction not only of Birming-ham, but of other new exhibi-one of which booked the whole \$3m. which they spent while we would not be short of There is no question but that Instead the London Convention of this new capacity was tion Bureau floated the idea of desperately needed. Many old Greater London Convention to the U.K. and abroad."

There is no question but that Instead the London Convention halls developing both in building for 23 weeks. Continue were here. conference halls have done ment in Earls Court renovation, is that in addition to the £1m. that approximately 45,000 of sterling work, and will almost an idea that seems to have which Town and City Properties these delegates and visitors certainly continue to be used, delighted Town and City itself is spending over the next came from abroad and that they but there has been a sufficient three ways there should be a sufficient to the sufficient three ways there should be a sufficient three ways there should be a sufficient to the sufficient three ways there should be a sufficient to the sufficient three ways there should be a sufficient to the sufficient three ways the sufficient to the sufficient three ways the sufficient three ways the sufficient to the sufficient three ways three should be sufficient to the sufficient three ways three should be sufficient to the sufficient three ways three should be sufficient to the sufficient three ways three should be sufficient to the sufficient three ways three should be sufficient to the sufficient to the sufficient three ways three should be sufficient to the sufficient to the sufficient three ways three sufficients three suffic but there has been an awful lot Properties. the exhibition three years, there should be a represented £6m of invisible of creaking at the seams. While centre's owners. The LCB minimum GLC investment of earnings (including hotels, the conference halls themselves pointed to Brighton's spending \$5m., "the minimum amount shopping etc.). Some of these are serviceable enough for on its new facilities, talked of seen as necessary to make a events they came to would have many uses, their lack of flexi- Harrogate spending 16m, and worthwhile improvement." But been held in other locations on bility and poor services in such of Aherdeen investing 25m. It the significant suggestion was the Continent if Wembley's new

night life. This is why the conferences (were the Adeline

besides memories of their spee the Sixth World Conference of "Figures for the year show tacular hairstyles and nipped Retailers and, to cap it all a

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ONE OF THE most impressive way off. For example, a major completed with something of a opening a two-day conference to be less impressive. on conferences—as usual the Few things irritate an supply of information on conlabel, Contact 78.

among others) which should time down to nothing because but the subject areas of the ning. workshop discussions serve to indicate just what it is that Surprising worries conference planners today: Are incentives stimula- I enjoyed the doubtful honour

In fact these subject headings one had gone to lunch. indicate the sort of complexity chairman seemed not to have that the conference organiser noticed. the exchange of ideas.

in so many conferences is that mystic purpose. much of the evidence sounds. For many organisations the obvious. Nonetheless, it seems annual conference is the single that many a pitfall is no loss most important event of the deep for being visible a long year, and yet so often it is

changes that has come over the failing of the inexperienced con-nasty taste being left in a few conference business in recent ference organiser (and, dare I mouths. Sessions among the has a sort of busmen's break by anticipation. The event is likely be a more critical audience? and there is an increasing

event has been given a trendy audience more than a conventerence techniques and techtion which runs late, which nology. The conference itself is heavy leaves little or no time for

tors or just tax-dodges? Are on one occasion last year of conference huyers treated like speaking (very, very briefly) to poor relations who only fill off- are audience of a handful in a season space? Are "purpose hall which an hour earlier had built conference centres built held 2,000 people. A couple of me company. for any particular purpose? And other speakers suffered the who needs all the razzmatazz of same fate since we actually years ago delegated travel to stage productions and audio rose to our feet after 1.15 in a junior secretary and let the the afternoon. By then every-

faces to-day should he be new It is surprising how many to the game. He quite often conferences have inadequate feels he needs assistance but audio-visual systems, uncomfort finds so much of it offered, at able chairs and chairmen have a price, that he can emerge as been chosen for their position confused as when he started, in society rather than their It is hardly surprising there, ability in the chair. One of fore that ACE itself is showing the great advantages of an out-signs of increasing popularity, sider is that they are allowed and increasing demands on its occasionally to tread unwarily services as a central point for through office politics, choosing speakers for their ability and The trouble with describing subjects for their relevance the need for professional help rather than for some other

years is the spread of profes- say it, of some experienced) is organising committee after a sionalism. To-day another ex- to try to pack too much into conference can often be more ample of the way in which the the programme. The advantage lively than those before it were. husiness is progressing can be of such a ploy is that it looks Clearly, however, there is a seen at London's Royal Lan-good on paper. It may help to considerable eagerness to pick caster Hotel when the Associa- sell tickets and will probably up tips. The ACE gathering will tion of Conference Executives impress the boss, at least in be almost sold out (could there

demand is present on the show-biz gliner (Wil- floor discussion, and above all because more and more comliam Rushton. Gayle Hunnicutt which cuts meal and cocktail panies and organisations realise that conference organisation is lead to some lively sessions, the sessions are all over-run increasingly a specialised art. This does not necessarily mean that more of them are buying in expertise. Such is the frequency that larger bodies are called upon to involve themselves in conferences both

> more of them are making conference organisation a specialis The firm that only a few youngest clerk organise confer-The ences, now probably boasts both

large and small that more and

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Days in the country

T ONLY the larger the simple spin off that might gates, so a conference of only and conference business is a ference facilities. My own love, hotel groups which be expected. The small corvered that there is porate conference frequently trol of a property with say 30 but has proved very popular. Sive array of accommodation for conference facilities involves personnel who are well rooms. Couples who have sought The advantages are that the and, if you like that sort of naller independent used to very high standards of out their own quiet country as far as the conference itself thing, you might be pleasantly imany of the country accommodation and catering. The retreat are not particularly entropy of the larger Money is not usually the major thused by brandy-drinking, latethat very often the student built fully equipped models in picht proupe that can assily accommodation is not quite botels there are in the area. ve found there is a obstacle, but the hotels in night groups that can easily accommodation is not quite hotels there are in the area. ed for pleasant, often question must have fully emerge from even a small what many conference delegates. The trouble with Ireland is accommodation for equipped rooms, pleasant meet-gathering. The conference have come to know and love the additional temptations. erings. The growth ing facilities, and a restaurant people themselves too, often do Too many of us these days feel. Whatever else you are a long rket in recent years of a very high standard indeed, not wish to stand out among a strong need for a room with way away from, you are never spectacular as the Often the hotels involved are the visiting crowd, preferring colour television and telephone, very far from fishing, golf, ik" philosophy has those that find their way into instead to mix with the normal. It was only in 1970 that the horseback riding and those creasingly companies such elegant listings as the hotel guests.

hotels, particularly Relais de Campagne and the perties, for week-end British Tourist Authority Commended Hotels.

Marketing

country hotel, of The dilemma for the country re than welcome sort of business is often that of catering for the small 500 rooms can easily be swamped

country hotel, of The dilemma for the country The marketing of this sort of thum which ademand which was indevelopment has hotel which gets involved in this operation is a slow, if finally with a demand which was interested which gets involved in this operation is a slow, if finally with a demand which was interested which gets involved in this operation. Even greater escape can be than welcome sort of business is often that of rewarding, business. Some of creasing almost without any had, of course, by chartering a nany of them have numbers. Just as a hotel with the larger operations which promotional work being done. of cultivating personal contact. and nature.

final decision is going to end up bringing his closest business of the on-site university halls is Like the colleagues and their wives along to meetings he is likely to take some care in making the final decision. But that decision, when decision. But that decision, when taken, has every chance of being a long-term one. Small conference business tends to be extermely loyal. A good country hundred delegates with ease, determined that everyone hotel operation can find itself. with a list of companies who offer is extensive public areas even corporate uniforms. I was hold meetings for 10-20 people and the frequent provision of recently on a cruise where a as often as monthly, and also numerous ancillary rooms to large section of the passengers use the hotel for small, inten- the main conference areas were a religious group confersive training courses. It does which can be used for more in ring (needless to say they were mean being willing to offer tensive workshop purposes. rooms in the peak season as well. Another beneficiary from the tion was that since their rules as the winter, but the invest- "away from it all" desire is did not apparently ban either rooms in the peak season as well ment is very worth while.

which also tends to be in plea- ough, but a country hotel in a conventioner and who was sant surroundings and does not Ireland seems to add another not: suffer from the difficulty of dimension to the game. The wanting to turn away conven- laish, in a current campaign to within the universities. Turn- Britain, are placing particular ng over the campus to holiday stress on the Republic's con-

Cities

CONTINUED FROM PAGE ONE

buyers do indeed seek more.

universities got together on amazing village pubs. It's all a anything like a formal basis. At the time there were only 12 of ing to get on with some busithem in a modestly run consorference meant to inform, enter-

is not necessarily by a convention with 300 delesuch as the Selsdon Park Hotel spread geographically from near London, can run to modest Aberdan to South Selsdon Park as well as foul part as well part a advertising campaigns. For most, able to handle meetings of a cruise companies are often quite on the other hand, it is a matter considerable range in both size keen to sell space at special rates, particularly in the Since the man who makes the Revenue this year will prob- shoulder months, to convention

Like the small hotel, no com-Americans). The only irrita-Ireland, A country hotel for a drinking or dancing it was ex-One type of accommodation conference is an attraction en- tremely difficult to tell who was

always rent the QE 2 or the tion business in high summer is further increase tourism from Canberra for a week or so — at least you know that the delegates or employees cannot actually leave in the middle of

> The real growth market, however, is in more modest affairs, with getting away meaning simply country air, country food and a chance to talk in a relaxing environment. It is a business which is attracting an increasing amount of interest.



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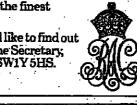
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tional conference might say that providing city services, such as for \$40 a day it wants the con- buses, for nothing. ference facilities, coffee, meals, verpool-twice daily throughout Summer Season; road transfers to and from Tickets hotels, a couple of cocktail parties and a night at the theatre. Fortunately this is the sort How the city fixes all that with- of game that the larger cities,

the arguments.

others) by General Motors at a activities. motor industry gathering. In spite of all this rivalry it lunched by Disney at a travel is surprising how friendly the congress (this time the total major cities of the world are. was 2,000) and offered refresh- The convention bureau heads ment by Rank at Cannes.

modern facilities has probably In many industries there are now reached the stage where, numerous companies for whom in a buyers market, the con- the cost of providing food is a sumer is very much in a posi- tiny price to pay for the opportion to ask for rather more than tunity to make a sales pitch to just be latest in seating and what is probably a highly influaudio-visual systems-and most ential group of prospective customers. Unfortunately for some Increasingly, as a result, the conference organisers, not every city convention bureau is of profession is prepared to inparamount importance in secur-volve itself in such blatant ing the business. This is simply commercialism. This particubecause the convention bureau larly applies to medical contends to act not only as an ferences. The medical world is initial stimulant to choice— notoriously unwilling to sell making the sales pitch that pro- even its meal and cocktail duces the first inquiry-but breaks to commercial sponsors also as a co-ordinating centre - your caviare to-day ladies throughout the planning of the and gentlemen was by cour conference or exhibition itself, tesy of nockemout sleeping pills Not least this is because a large who will now show you a short conference will be seeking all film." Nor is it very keen to manner of fringe benefits as a have exhibitions allied to its result of bestowing its custom conferences, another favourite on a city. In its crudest sense way of generating cash.

this will involve seeking a In cases such as this the condirect subsidy from the city it- vention bureau might attempt self, but more often in quoting to enlist local counterparts of a base price per delegate and a professional organisation to asking the city to ensure that play some form of hosting role.

everything can be provided for Some cities, notably resort

Some cities, notably resort areas in the off-season, will pay Obviously this involves a con-heavily for custom, not only siderable amount of co-ordinat- subsidising the convention ing work. A typical interna- directly but also indirectly by

in the price allocation is a mat-like London and Paris, do not ter for long sessions between have to involve themselves in. the various parties involved and Nonetheless the flat-rate printhe convention bureau-the con- cipal very much applies since ference organiser, who may be organisers have got to quote a 10,000 miles away and "prganis- basic price to their members ing" the event in his spare or other delegates, and sometime anyway, is in no position times do this more than a year to become directly involved in in advance. What the cities do become involved in is the nego-Frequently, of course, some tiation of bulk rate purchase of of the bill is picked up by theatre and sporting event organisations eager to impress tickets and of visitor books the delegates. Thus I have been which contain discount cards dined (with several hundred for various local attractions and

> all seem to know each other very well and be willing, occasionally, to pass business around. This is not quite as stupid as it sounds. An international conference that goes to Hong Kong, for example, in 1978, is unlikely to pick the same part of the world in 1979 and therefore Rotterdam, Hel sinki or Harrogate are much more prominent candidates. Thus a sort of convention masioso builds up which ensures that a conference is not allowed to slip out of circuit.

First seen from the outside i is an impressively high-powered and sophist:cated marketing world, one of fierce competition perhaps, but also one with a degree of olde world gentility —not that anyone is beneath spreading a mour or two about a rival's inflation rate, or rain record.

Think of a number between 1 and 2,500 then plan a conference around it.

Pretty soon, you'll come to the conclusion that, no matter what the number you first thought of, you end up with the answer-Wembley Conference Centre.



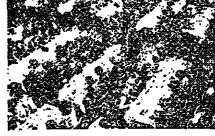
Admittedly, it's difficult to organise a conference of one, but 2.500 is no trouble at all when you have all the facilities of the Wembley Royal Hall at your disposal And whether you call it a conference, a convention, a symposium, meeting, debate, product launch, sales talk, AGM or seminar, we can cope at Wembley.

The Avon and Severn Suites are versatile theatre complexes with seating for 130 to 500; they've got full projection equipment, closed circuit TV and

simultaneous interpretation facilities for up to eight languages. On a smaller scale, the

Westminster, Chaucer and Abbey Suites offer a series of rooms for 12 to 100 delegates, with the adaptability that makes them equally fitted for discussion, board meetings or sales reviews and for dinners-and you could always follow one with the other. And if even this seems too ambitious, there are yet more small rooms that still enjoy all the central services available as a back-up for the 2,500 seat main auditonum; secretarial accommodation, personal paging systems, printing and reprographic facilities, banking,

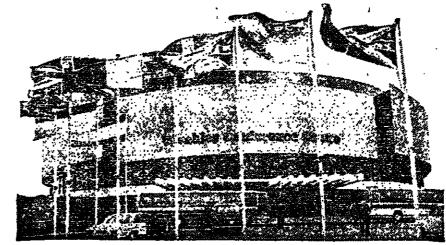




photographic coverage of your event

The inner man is not forgotten either. There's a range of bars and complete adaptability within the catering field. We can lay on anything from a finger buffet för 25 to a four-course meal for 2,500 at the Centre-and to a very high standard.

The potential of the Wembley Conference Centre is vast it's up to you to make the most of it, but even there we can lend a handin planning and presentation. So next time you're planning an event, give us a ring and see just what we can do Better still, ring Bernard Owen or Anne Banford on 01-902 8833, and let them help you realise the full potential of your conference, no matter what the number from the start.



Churt, Farnham, Surrey - Tel: Frensham 3175 is independent country hotel approximately one hour

Yeur complete conference agenda

Comfort Selsdon Park Hotel is fully Efficiency, With experienced staff to help you-Selsdon Park Hotel provides equipped for 4/5 day conferences, weekend seminars, etc. for 10/120 delegates. All sectional stages, amplification, projectors

Suport Surroundings 200 acres of beautiful parkland. Free amenities clude: Championship 18-hole golf course, putting green, grass and hard tennis courts, open air heated swimming pool, riding (extra), auna, and 4 full-sized billiard tables. Write or telephone Mr. F. T. Sanderson for colour brochure. ONLY % AN HOURIFROM LONDON



s with bathroom and colour TV.

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OVERSEAS MARKETS

EUROBONDS

Dollar decline sets the pace

THE EUROBOND market queonly suggest that this was tranche \$200m. Issue in New rearded to last week's re-acceleras more a urbute to Australia's York via Merril Lynch. One was New Zacand Fincel Proposed for the dollar's fail on the special popularity with investors \$100m. tranche \$1900m. tranche \$1900m.

BY MARY CAMPBELL

GERMANY +

		· . ··.	NT EUR	BOND I	ceries	12 to 12 years New Street Control
2		CURRI			330-3	
_	Amount	Maturity	Ay, life years	200pon	Price	Lead manager y
Borrowers	m.	macuncy	7	.70		
U.S. DOLLARS			<u>-</u>		100	Kidder Peabody, LBI -9
INZ Forest Products	25	1986	Ţ	9 . 91	700	Kidder Peabody
TAVES Overseas Cap. Co	rp. 25	1985	• .	71	100	. Telegraph 1
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Sanwa Bank)	30 .	1983	5	8 <u>1</u> 8 <u>1</u>	99	Soc. Gen. de Banque.
*ECSC	20	1990	8 1	64		Salomon
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(ELSAM)	25 .	1985	7 .	9		Plains
†Nippon Credit Bank	20	1983	5	6	<u> </u>	Dai#4 .
D-MARKS						
§Fujitsu	50	1986	<u> </u>	41	100	Deutsche .
grajicsa †Norcem	50	1985	7	5}	100	Deutsche
TNew Zealand	250	1986	8	5 <u>1</u>	100]	Commerzbank
*Escom	25	1981	3.	87		Dresdner
BNDE	150	1986	6.5	62	*.	Commerzbank
	40	1983	44	6	. •	Bayerische Landesbank
*GIS *S. Af. Broadcasting	. ~~		7		. 2	Bayerische Vereinsbank,
(g'teed S. Africa)	20	1981	3	8	100	Dean Witter
EIB	200	1989	9.9	5 1	•	Deutsche
SNisshin Steel	50	1986	·—	4	100	Commerzbenk
SWISS FRANCS		 -			737	
SV133 FRANCS 1F. L. Smidth	25	1989	na.	4)	70 0	Swiss Bank Corp.
inew Zealand	120	1993	n.a.	3}	99	UBS
Holmens Bruk	. 30	1993	n.a.	4 <u>1</u>	99	Banque Scand. en Suisse
New Zealand	180	1983	n.a.	3}	100	Swiss Bank Corp.
Oest. Donaukraftwerk	e		-		99}	Crédit-Suisse
(g'teed Austria)	. 109	- 1993	n.a.	3}	771	Crédit Suisse
lmatran Yoima	80	1993	7.7.			CIECUT STATE
YEN					99.30	Nomura
‡Australia	50bm.	1990	10.32	6.6 `	99.10	Nikko
‡Osio	15bn.	1989	9.06 9.00	6.7	100	Yanaichi
‡Finland	25bn.	1988	. 7.00	. 4.1		
STERLING		··.	9.9	70 1	•	Samuel Montagu
Allied Breweries	15	1989	7.7	107		
GUILDERS	-	; ;		73	•	Algemene Bank
Denmark	108	1993	n.s.	- 2	<u> </u>	Andrew Commencer to the Commencer of the
KUWAITI DINARS	_\ T	1983/8		81	106	BAH, KHC
SAMIR (g'teed Moroco	20) / 1: Pinel Ter				rate sets	and the second of the second o
 Not yet priced 	TLUMBIISE	en ri vertible		lds are calc		

AUSTRALIA

Indices

MEM AOSK-DOA 10ME?

STANDARD AND POORS

	1				I !	Ī . .	- 19	77-76	place co	mpilat'o
	Feb.	Feb. 16	Feb. 15	Peb. 14	Feb.	Feb. 10	High	Low	High	Low
Industrial	752.69	755.29	761.69	765.16	774.48	775,98	999.75 (311/77)	 752.68 17 <i>1</i> 2/781	1051.70 (11/1/78)	
H'meB'nds*	89.55	85.54	89.61	89.64	85.77	89.78	55.87	88.65 (25/1/78)	i — ;	
Transport	206.84	205.60	206.69	207.98	209.88	212.66		199.60	279,88 (7/2/69)	15.25 (6/7/53)
Ttilities	165.52	105.56	106.96	104.58	104.97	185.65	110.67	103.52 (17/2/78)	168.52 (20/4/69)	10.58 (38;4/42)
Trading rol.	18.500	21,570	20,170	20,470	16,816	19,488	_		-]	_ _
• Basis	of Inde	r chang	න් රිට	ns Aus	ust 24					

Feb. 3

Jan. 27 | Year ago (approx.) lad, div. yiesd % 5.98 6.03 5.94

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	77-1	Bak	T -5	Bab.	0.4	Pah.	197	7-78	Since Compile Eigh Lo		
; îndustrials	96.81	98.94	97.79	96.61	98.91	89.12	118,92	98.81 (17 <i>(2)</i> 78)	154,64	3.5	
§Composite	87. 56	88.08	88.85	89.94	89.86	99.99	107.00 (3/1/17)	87.98 -17/2/78)	125.85 (11,1/73)	(1,6)	

	F65. 15	Per-o	rec. 1	Terr mile imply
ind. div. yield %	5.33	5.17	5.22	5.97
Int. P/E Ratio	8.57	8.77	8.69	10.94
Long Govs. Bond yield	8.26	8.80	8.18	7.68

HOMMOD LIA KAY.M					Rises and Palls						
					ri <i>i</i> ie	- _			Peb. 17	Feb. 16	Peb. 15
Fab.	Feb.	Feb.	Feb.	139	(1110	=	nies tra	ded	1,813	1,848	1,806
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JOEA		BUR Go dustris	ld.	216.7 209.1	211.6 207.8	215.1 208.2	212.7 208.9		(1/2/16) (4/1/18)	159.4 169.1	

	Feb.	Prov-	1977-76	1977-76 57-7761	
	17		High		8
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- 1			(10/1/77 107.92	HTS/1/16	S
rmark(**)			(9, 6)	(6/2/76)	~
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ng Kong			(11,6)	(13/1/7)	1 5 24 1 5
aly (II)		62.02	73.71 (6/1/77)		
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-	970 25	i 971 91		(24,11)	N

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| JOHANNESBURG

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10		Jennings Industries	†1.25	-6.62	HOOMS FOR COLUMN	00.0	+0.0	
70		Junes (David)	11.01		ot. Gobain	130.0		Ų
60	+0.02	Lennard Oil	\$0.22		ški. Rosignoi	1,609	ן טביין	3
27 ·	+6.02	Attais Exploration;	10.15		3110E	216.3	+4.8	2
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40.	. '	Uskbridge	17.07		 -			÷
00	3.	Oil search	10.08			Price	.1 00:	D
58	•	Ulter Exploration	10.17		Fen. 17	8		*
	-B 82	Pioneer Concrete,	11.48	F0.04	l 		 +	_
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PARIS

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OVERSEAS	SHARE	INFORMATION
EN VARY	į 1977-78 j	Peb. 1977-78

UVERSEAS	SHAKE		HARLE BOAR
EW YORK	1977-78 High Low	Stock Peb.	1977-78 High Low Sto
			

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ر وان3 ع21و	19.6	Trus to Steel	2654	35	25èa	. Esmark	
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ng Gisse int'n'ilonai		7714-	625	Uchneon Johnson	6634	4458
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er Net		49 4 404	225g	h. Mart Corn	2334	26 4 365g
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onte	25	301g	2314	ALONG PUBLICATION	2734	5038
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an Kotak	4312	3113	203	i aud stata (apd)	2012	13åa
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& G	191 ₂ 154	1177	77g	MacMillan Macy R. H.	1038	361 <u>2</u> 441a
DINE GRE	28	393,	315g	Macy R. H.	355g 1	34:4
on Klectric	301 ₂	41		Mtrs Hancver	294	40
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L	2914	1412	1058	Marathon Oil Marine Midlend.	1318	2538
e-d	55e 5	3419	174	Marshall Field	2958 ;	5014 313
·	26					2458
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ept. Stores	1412	1954 :	157g	M Graw Hill	172	38 623 ₂
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s Power	301 ₂	28%	16	"ИС И	2619	20 te 43
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ost Mck	30 la	555;	227	Multiprine	3618	573 ₄ 91
lia Mint	75.	3914	23	Murphy Orl	3412 i	4978
ort Mineral	18:9	5378	46	MADISTO	49.8	165g
suf	2512	34.te 16.te	247p 127g	Nation Chemical	467g	51
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Oli,			17	Norton Simon	104 .	4112
b F.F	247g		20	A ATTACONIN CELTAIN	2113	16¾ 23 lg
b P.F	19 lg	415. !	51	Ogilyy Mather	3754	
ear Tire	161 ₂ 1	211 ₂ 22	1838	Ubio Ediana	1834 1534	27%
W. B	2478		19-4	Jun	+04	127g
iad Par Tee,	814	331g	2119	Oversess Ship	2178	3612 2258
orth Iron	2578	7310 '	5832	Owens Corning	584	
Western	151g	2914	203g	Owens Hunois Pauli : Gas	215g	404 26
Hesseria	2414	22.75 (2212 181	People Links	101.	27%
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Mining	3819	Ðig;	4	Par. Pwr. & Lt Pag Ans World Air	5 /	25 lg
woreger,	151 ₈	2874	31	Perher Hannido. Peabody Int.	225,	18 434
Corps'	4274 55	2778 i	194	Peabody Int.	20.6	56
%D,	267g	241 ₂ · 525 ₆ ·	201 ₂ 321 ₄	Yen Pw.k Lt	221 ₂	1313
te Packard	641g	35 ig .	2614	Pelinzoli	2954	62
C LECTOR	1518	1118	71,	renitles trium		9 59
tate	33%	3912	32 %	Perples Gar	331a	58
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orp Ame:	24:1	2178 '		l'ertan Elmer	1750	10 11: ₈
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o kana	ء: 4د	ءا86	27	adultips Period no.	2814	41
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larvetet Im a Chem	27 a 38 a			Control	24 % 15 % j	20%
luli je se o	20:2	597g	251≏	Pito Industries.	2312	554; 274;
	1414	95	7:10	rimster Liample	7734	201;
'sper	ა71 ₂ 1	3b	215	that Serve based.	2,⊻5e i	2318
ecitier	2778 10	35%, *	24	's'ul man	2513	
et i el	273a	26 A	2.11	Pitter (Mite.,	211-	55 €. 45 : ₃
I,,	114	854	445	itapid American	6.4	2717
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Vanbrugh Life Assurance

Vanbrugh Pensions Limited

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Guaranteed see 'Ins. Base Sates' table.

m. 455.8 11 a.m. 456.1 Noon 456.2 1 p.m. 497.2. 2 p.m. 457.6 3 p.m. 458.7. Latest Index 81-26 8826. Based on 52 per cont corporation tax. Ntl=7.98 Sort Sees 15-19-25. Fixed lat. 1826. Ind. Ord 1.7.85. Gold SE Arneiry July-Dec. 1942. GHS AND LOWS S.E. ACTIVITY

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AUTHORISED UNIT TRUSTS Gartmore Fund Managers V (286) Perpetual Unit Trust Mugmt. (2) Allied Hambro Group istige 44 last -17 5 99 Gibbs (Antony) Unit Tst. Mgs. Ltd.

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S. G. Warburg & Co. Ltd. | J.E. I. Managers (Jersey) I.d. | 26, Gresham street EC2 | 61, 600 655 | 105 En. 194, Royal I.m. Has. JerseyuXM 27441 | 105 En. 194 E Warburg Invest, Mngt, Jrsy. Ltd.

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CLIVE INVESTMENTS LIMITED 1 Royal Exchange Ave., London EC3V 3LU. Tel.: 01-283 1101 Index Guide as at 7th February, 1978 (Base 100 at 14.1.77.) Clive Fixed Interest Income

CORAL INDEX: Close 457-462

INSURANCE BASE RATES

† Property Growth 7:% Cannon Assurance 44%
† Vanbrugh Guaranteed 7.125% Address shown under insurance and Property Bond Table. AMERICANS—Continued

BANKS AND HIRE PURCHASE

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Financial Times Monday February 20 1978

warm hearted

heating

Callaghan in Ulster security talks after bomb carnage

BY OUR BELFAST CORRESPONDENT

MR. ROY MASON, the Northern The gruesome task of before the blast. They believe The Provisionals' attacks, he live they have found the bombers added, were "planned, generated they have found the bombers added, were "planned, generated getaway car: it was stolen in the North."! yesterday about security in sion spread. The bomb was of a Republican area of Belfast. He had been told by the Uister, following the restaurant the blast incendiary type, used bombing which killed 12 people by the Provos with increasing and other church and community per cent. of Ulster violence and unjuried 30

ing the La Mon House restaurant strapped to the bomb, which had his sorrow and grief about the

A statement in the Commons is expected from Mr. Mason to-day after his talks with Mr. caught in the inferno, in a bid Callaghan and senior Cabinet members, including Mr. Fred

nightmare because bomb warn. A team of 100 detectives began suggestion: "I am absolutely in-depth study would be "a: It seems likely that he will nigs came too late for anyone to the task of eliminating ever; satisfied that the IRA's campaigns necessary prerequisite to draw-have resisted Ministers, led by be evacuated.

Strunger seen near the restaurant are not directed from Dublin." ing up a White Paper."

Mr. Anthony Wedgewood Benn.

Radio men's

action hits

North Sea

By Our Labour Staff

National Maritime Board

cluded a Stage Two pay deal for officers working in the

North Sea and also agreed

to a self-financing productivity scheme to give between 12.5 per

cent, and 14 per cent, extra from

November. The Radio and Electronic

Officers' Union claims that 44 of

its members working on rigs nwned by Shell. British National

Oil Corporation. BP and Texaco.

Mr. Jack Bromley, deputy general secretary of the REOU,

said yesterday it was decided to go abead with the work-to-rule after negotiations failed to make

progress on the union demands. A further meeting was planned later this week but meanwhile.

radio officers would be refusing

More talks

oil rigs

been placed at a window in the bombing and other recent killrestaurant. Most of the victims ings in Ulster.

Police yesterday distributed murders in Ulster was not thousands of leatlets showing the blatantly sectarian. caught in the inferno, in a bid Referring to a charge made here

IRA members were still being the IRA "the go-ahead to conquestioned in Belfast. They were tinue their campaign." the trish tank "study group on Ulster arrested in a swoop after the premier said the Peace Move-explosion, but the RUC admitted ment should not enter into content and the implications of reunification.

leaders who reacted swiftly to The Provisional IRA last night

The Royal Ulster Constability for bomblary said cans of petrol were man said the Pope had expressed

Meanwhile. Mr. Jack Lynch, died in the blaze which quickly the Republic's Prime Minister. denied suggestions by the Northern Ireland peace movement that IRA attacks are mounted from south of the blaze which quickly the restaurant where members of the Irish Collie Club were meeting.

Shock tactics

restaurant. Most of the victims logs in Utster. Leaders of Uister's Protestant that the paramilitary groups were meeting. The danger of revenge attacks by Protestant extremists is not thought to be strong, because the restaurant bombing, unlike other mass

Giles Merritt in Dublin writes: to shock the public into giving by Peace Movement leader Mrs information

Twenty suspected Provisional remarks on Irish unity had given members, including Mr. Freu information
Mulley. Defence Secretary, and Mr. Merlyn Rees, the Home Secretary.

Twenty suspected Provisional remarks on Irish unity had given the IRA members were still being the IRA "the go-ahead to conquestioned in Belfast. They were arrested in a swoop after the arrested in a swoop after the premier said the Peace Movement should not enter into con-

originated from border areas.

cribed the La Mon hombers as callous beasts." There seems little doubt that the attack has the strategy and shape of the bad a moderating effect on dissecusions this week-end of the present on April 11. amid some Ulster question at Mr. Lynch's signs of progress towards a Fianna Fail Party's annual conference.

THE CABINET yesterday spent early last month. There are no signs that its shareholders are signs to register any serious-opposition to the deal when they must be consensus.

'Think tank'

debate on reunification was their own views while his pro-dampened by the news of the posals are at the formative tragedy. The Prime Minister's stage. lem, and Mr. Lynch announced

Lynch rebutted that to the 7.000 delegates that an trade and money supply fronts, tion: "I am absolutely in-depth study would be "a: It seems likely that he will

meets to discuss Budget measures

Cabinet

THE CABINET yesterday spent

The talks, held at Chequers. represent a distinct departure from previous practice, by allowing departmental Ministers a forthright chance to give the Chancellor

Pontin's.

cash

Moreover.

of about £41m.

While Coral's shares have

element — which now

while

been falling, the value of its

bid has been propped up by the

accounts for over a third of the

profits of £18m. pre-tax in 1977,

sive, which tends to throw cold

Last night Senior Ministers were stressing that no decisions were taken and the position leaning towards a more cautious approach than seemed probable the neavy neath toll was that none were suspected of troversial politics.

reunification.

a few weeks ago — an attitude clearly the result of a bombing being directly involved. One of Mrs. Williams had also He had been expected to that will have been reinfired implied that the Republic was a reveal that a White Paper was by the disturbing economic indiattempt to destroy yet another to be the top Republican in haven for Provo terrorists, and being prepared, but he explained caters issued last week, on the popular nightspot became a Belfast.

Mr. Lynch rebutted that to the 7,000 delegates that an irreduced a few weeks ago — an attitude a few weeks ago — an attitude a few weeks ago — an attitude resulting that the few weeks ago — an attitude a few weeks ago — an attitude resulting that the few weeks ago — an attitude and the few weeks ago — an attitude resulting that the few weeks ago — an attitude a few weeks ago — an attitude resulting that the few weeks ago — an attitude a few weeks ago — an attitude a few weeks ago — an attitude a few weeks ago — an attitude resulting that the few weeks ago — an attitude and the few weeks ago — an attitude and the weeks ago — an attitude a few weeks ag

Mr. Anthony Wedgewood Benn, the Energy Secretary and inis understood, Mrs. Shirley Williams the Education more ambitionus package than the maximum £1.55n. to £26n. injection now said to be being pressed on the Chancellor by the Treasury.

But by all accounts the ex-

changes, reported to be "good and candid," produced a less dramatic confrontation between the two schools than was feared in some quarters.

Ministers were emphatic that

or a cut in the bottom hand has pay-off stage. And there is also "proprietorial gap"—the gap new businesses, facing start to be made. The Government's said to be room for developing left by the fact that, unlike costs in the State. direct tax front, if necessary off-

from the indicators between now and early April.

Shares in Coral Leisure have tropped by a quarter—four imes more than the market as whole-since just before its bid for Pontin's was announced to go ahead. But they may still have an uneasy feeling that they are paying over the odds for

THE LEX COLUMN

Coral paying over

the odds

profits last year. No wonder more

offer. So whereas the market value of Coral which made But Coral will need some that some shareh years to prove its point. Mean know more about a co is now down to £59m., the bid is is now down to £59m., the bid is while the enlarged group will affairs than others bu currently worth £48m. Pontin's have quite high financial gear- already a fact. It may is expected to make just £7.3m. ing—debt of about £40m, com-desirable that an insti pared with tangible net worth should lose the flexibility Coral's of £56m -and profits of about pose of its shares but profits have shot ahead in £24m. after financing costs already a fact. The consequ recent years. Pontin's have With a combined market of these truths may be it fallen well behind the rate of capitalisation of £104m... the major institutional share inflation in terms of profits per shares are leaning for support need an able share. And its return on capital on their dividend yield of 81 observer with whom employed has not been impres- per cent.

water on the suggestion that its Institutions

net assets are worth consider. It is desirable in theory to ably more than the book figure create closer ties between com-It is desirable in theory to panies and their institutional Critics of the bid argue that shareholders, but it is very tain and the U.S. will be ratiff there is little scope for improve difficult in practice. The latest in its present form. Coning this performance. They say CBI evidence to the Wilson that Pontin's marketing is Committee does little more than already good, and that Coral remind us of this. It reads will be able to add little to almost as though the CBI workthe image created by Sir Fred ing party has cast around for Pontin. Coral is still digesting a new proposal and has finally last year's £16m, take-over of fallen back on a reheated Centre Hotels, whose chief version of an old CBI-ideaexecutive has just left the that more British companies group. It is now proposing to should have non-executive direct up because of Californian absorb a much larger opera- tors from other companies.

Liberal allies for their part, joint interests in such areas as the entrepreneur-shareholder of But now the controversy has would like more done on the licensed catering and bingo. old an institution does not escalated into a duel over Stat Above all, the bid for Pontin's want, and is not able, to act versus Federal rights in tax con set by changes in VAT or other is seen as a unique opportunity as proprietor of a company in panies. So it is anybody's gue Every sign is that the Chau-Every sign is that the Chan-cellor will take full advantage of the time in hand by waiting to casinos as a means of broaden non-executive directors could of early Spring) the treat picture that emerges ing the base of the group into a provide the missing link comes before the U.S. Senat solid, established business. The between the boardroom and the Foreign Relations Committee

executive directors are found they will have drawn from the rank industry.

But the working party ball at stating that non-ex directors could serve as be room ambassadors for shareholders, and could pe be proposed by them. It placed "to draw the atte Board colleagues to on which it would be to consult the institt

the group is anxious to reduce impalatable truths with h

such snareholders th

Double tax treaty

calculating U.S. withholding taxes at the rate of 15 per cen instead of the 5 per cent. ra treaty, which it had been using

duction of oil is expected institutions.

The CBI proposal is a developnestions in North Sea oil operations in North Sea oil operations in North Sea oil operations because they handle all communications with supply bases. In particular they are least three such direct responsible for radio communications with helicopters and supply vessels.

The CBI declares: "Any non-defined the CBI feelshaped and the company for the lattest figures on dependent on the company for the lattest figures on dependent on the company for the lattest figures on dependent on the company for the lattest figures on dependent on the company for the lattest figures on dependent on the company for the lattest figures on monetary growth and the expansions in North Sea oil operations with supply bases. In particular they are responsible for radio communications with helicopters and supply vessels.

The CBI proposal is a developnes if action is function is not underconcern to being involved, but at the same time for this year is unlikely to the met without an added boost from the Budget. But this has soon the months ago to the Budget But this has soon the months ago to the Budget But this has soon the stream of the stream of the stream of the stream of the stream of the stream of the contracts of this year is unlikely to the met without an added boost from the supply of the state applying involved, but at the same time cannot involved but at the same time from the students and distinctive style by a man cleanty into two parts. There is unitary tax system-the British for this year is unlikely to the met without an added boost from the supply of the supply companies.

The CBI proposal is a developnement. The first students and istinction is not underconcern to the students and situations.

The CBI proposal is a developnement of the supply of the supply of the supply of the supply of the state applying from the same time from the supply of the supply of the first involved but at the same time from the supply of the supply of the supply of the su tion, which has been managed. The new evidence divides prevented the State applying

casinos could have accounted for institutions. It is also aware again. In the meantime, the of as much as £11m. of Coral's that if enough able non-treaty still applies.

CBI urges closer contact with shareholders

BY NICHOLAS COLCHESTER

OPERATIONS ON about a dozen executive directors should act as North Sea oil rigs, including non-executive directors on the platforms in the Brent and boards of non-competing companies of non-competing companies. It suggests such arrange panies. It suggests such arrange shareholders—"there is scope with the day-to-day problems of panies. It suggests such arrange shareholders—"there is scope with the day-to-day problems of panies. It suggests such arrange for the number of these contacts the company, non-executive toral considerations are set

THE Confederation of British capitalisation of quoted com- institutional shareholders, and Boards of companies should to be prepared to consult directly the quest for the correct balance

from to-day as 44 radio controllers start an official work to rule because of a pay dispute.

No major interruption to production of oil is expected initially, but there will be a threat to supplies if action is prolonged.

The CBI proposal is a devalor.

The CBI proposal is a devalor.

The control of production of proposal is a devalor.

The control of the develop the for the number of these contacts the company, non-executive to relationship between companies to be increased. The CBI says, directors have a special contribution to make to the debate to the debate to the dilemma for the evidence maintains that bution to make to the debate to the debate to the company.

The control of the dilemma on previous occasions—even if electors have a special contribution to make to the debate to the debate to the debate to the company.

The evidence maintains that bution to make to the debate to the debate to the debate to the company.

The considerations are set to be increased. The evidence maintains that bution to make to the debate to the debate to the debate to the considerations are set to be increased. The evidence maintains that bution to make to the debate to the debate to the debate to the considerations are set to be increased. The evidence maintains that bution to make to the debate to the debate to the debate to the considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The considerations are set to be increased. The c

Directors facing problems may approach City panel

BY MARGARET REID

DIRECTORS of public companies are being excluded from the productivity deal because for the in future be able to approach the tion, the National Association of outside the Marine Board settlethe radio controllers is paying publicly since it was established ciency, the Stage Two increase but has in 1973 with the encouragement told the union that a separate of Lord O'Brien, former Gover-

tiated for work on oil rigs. To acted only when worries about adopt the same deal as that any particular company have reached for officers on deep sea been raised within the investing are versels would, it is feared, be ment community. in breach of the Government's. However, according to a state, far made no marked impact on the Board.

Separate negotiations for oil itself be able to treath a state. The business scene.

Many quarters—and have so problem with other members of the Board.

It is also proposed that the Separate negotiations for oil itself be able to use the machi-

The committee was created by reduced the scope for serious with management difficulties will the British Insurance Associa- problems arising. So now the committee, whose City's Institutional Investors Pension Funds, the Association present chairman is Lord

Committee, set un to co-ordinate of Investment Trust Companies Remnant, is to be open to action among investing institu-tions over problem companies.

Until now, the committee—of action by industrial and commer- pany who wants to discuss its MANLY dry, very cold. Marconi Marine which employs which little has been heard cial companies to improve effi-management problems.

Normally, though, such

committee has if the approach were made with strong or fresh Max. 1C (34F). told the union that a separate of Lord O'Brien, former Gover-but the committee has if the approach were made with strong or fresh, Max. 1C (34F), productivity deal must be nego-nor of the Bank of England—has to do good by stooling by bear the knowledge of the company's E. Anglia, E. and N.E. England chairman, since any case committee formed to investigate the intervals. Wind E matter would have to discuss the fresh. Max. 1C (34F).
problem with other members of S.W. England

rig work have been in progress nery of the committee to facili-considered a number of problem encourage better communication since December but the union is tale an approach by a Board to cases over the last four years, between company Boards and insisting that the Board payment its institutional shareholders fewer have come to it in the last shareholders, even where critishould be made in the interim. Where contacts do not already few months, partly because the cism of management may not be better financial climate has involved.

London, S.E. and Cent. England Midlands, Channel Is. Snow showers on coasts. Sunny

Mainly dry, cloudy. the business scene.

It is also proposed that the fresh, Max. 5C (4H).

Although the committee has committee should do more to Wales, N.W. England. Lakes I. of Man. N. Ircland Mostly dry, sunny spells. Wind

> Scotland Mostly dry. Sunny spells. Wind variable, moderate. Max. 1-2C.

BUSINESS CENTRES

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HOLIDAY RESORTS

Powell 'guilty of race deception'

BY RUPERT CORNWELL, LOBBY STAFF

radio officers would be refusing to work longer than the stipulated 12 hours a day for a 14-day stint and meal breaks would be strictly observed.

He said the "sudden" departure from the NMB pay agreement by Marconi raised a number of difficulties in operating the complex pay structure because officers were often transferred between deep seavessel work and work on oil rigs. Average pay at present was between \$\text{\$T.000}\$ and \$\text{\$R.000}\$ o work longer than the stipu- Mr. Enoch Powell's insistence accuses others, and is adding to ment, he said, should cut the

Continued from Page 1

Carter talks as coal peace bid fails

workers have started and more

industry is situated, faces grim that it takes three weeks from is enjoying the fruits of recent were closed recently as surplus prospects if the strike is not the resumption of mining to heavy, investment in nuclear to requirements, settled quickly. Although the rebuild minimum stockpiles— power stations. So much so These will be used to channel Corton settled quickly. Although the rebuild minimum stockpiles— power stations. So much so additional power to Indiana, and Purnova weather in the worst-hit States month away in this most brutal neighbours with reserve power.

These will be used to channel Corton Dunnova additional power to Indiana, and Purnova weather in the worst-hit States month away in this most brutal neighbours with reserve power.

than 500,000 redundancies are parts of Indiana and Ohio. How-sources. From to-morrow, it will although it is not clear whether

of winters.

Illinois obtains more than half ing an additional 400 megawatts.

Coal supply is at its worst in of its electricity from nuclear of capacity to these states. ever. the state of Illinois, begin re-activating a number of inter-state transmission lines.

The main reason for this is although heavily industrialised, surbine power stations which could accept such an amount.

Outlook: Very cold. SILVERTOWN where the cub Warehouse/Industrial Units from 20,000 sq ft to 140,000 sq ft approx. Extra offices up to 12,500 sq ft. can be provided if required